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DLP Projection TV

SERVICE MANUAL

CHASSIS : MB-05DB

MODEL : 62SX4R

62SX4R-AB

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SVC. SHEET	
PRINTED CIRCUIT BOARD	

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by Δ in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by its Neck.

Before returning the receiver to the customer,

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

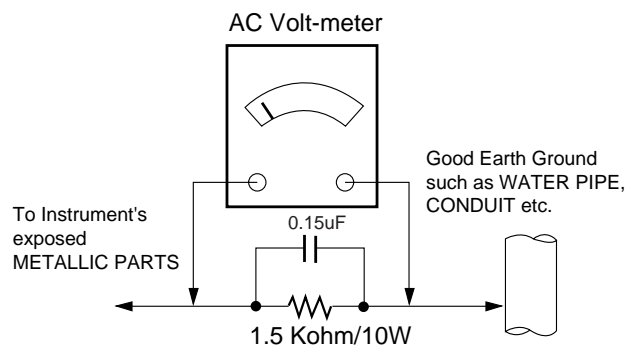
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the **SAFETY PRECAUTIONS** on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
 - a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
 - b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
 - c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.

CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

- d. Discharging the picture tube anode.
2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc".
 3. Discharge the picture tube anode only by (a) first connecting one end of an insulated clip lead to the degaussing or kind aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube anode button, using an insulating handle to avoid personal contact with high voltage.
 4. Do not spray chemicals on or near this receiver or any of its assemblies.
 5. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable nonabrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)

CAUTION: This is a flammable mixture.

Unless specified otherwise in this service manual, lubrication of contacts is not required.

6. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
8. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead. Always remove the test receiver ground lead last.
9. *Use with this receiver only the test fixtures specified in this service manual.*

CAUTION: Do not connect the test fixture ground strap to any heatsink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices*. Examples of typical ES devices are integrated circuits and some field effect

transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range of 500°F to 600°F.
 2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
 3. Keep the soldering iron tip clean and well tinned.
 4. Thoroughly clean the surfaces to be soldered. Use a mall wire bristle (0.5 inch, or 1.25cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.
 5. Use the following unsoldering technique
 - a. Allow the soldering iron tip to reach normal temperature. (500°F to 600°F)
 - b. Heat the component lead until the solder melts.
 - c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
- CAUTION:** Work quickly to avoid overheating the circuit board printed foil.
6. Use the following soldering technique
 - a. Allow the soldering iron tip to reach a normal temperature (500°F to 600°F)
 - b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.

- c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.

CAUTION: Work quickly to avoid overheating the circuit board printed foil.

- d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor

Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device

Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heatsink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heatsink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor

Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.

CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. Carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.

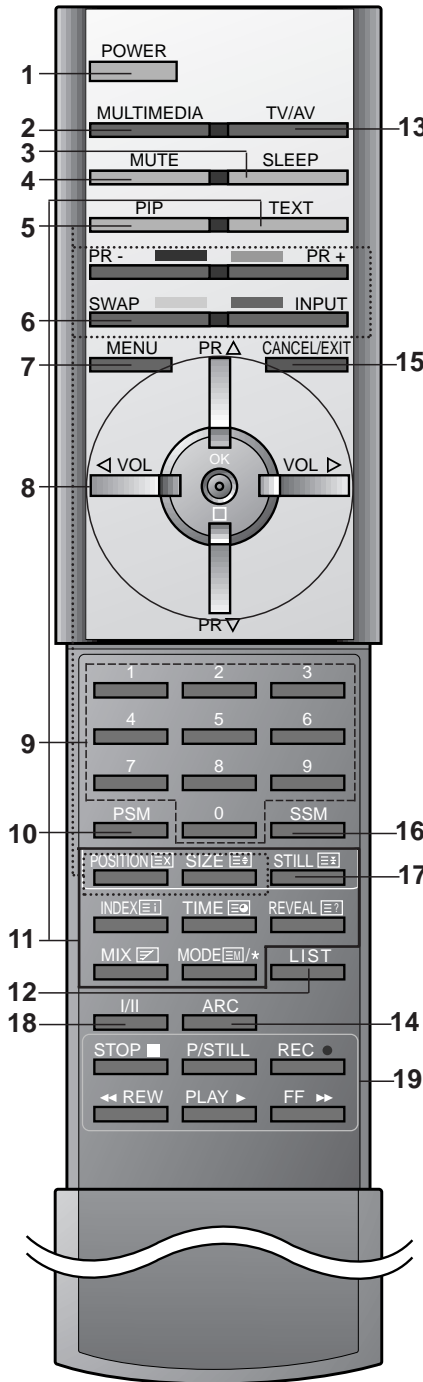
CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

CONTROL DESCRIPTIONS

All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.

Remote control handset

Before you use the remote control handset, please install the batteries. See the next page.



(With TELETEXT)

1. **POWER**
switches the set on from standby or off to standby.
2. **MULTIMEDIA**
selects Component 1/2, RGB or HDMI modes.
3. **SLEEP**
sets the sleep timer.
4. **MUTE**
switches the sound on or off.
5. **PIP BUTTONS**
PIP
switches the sub picture on or off.
PR +/-
selects a programme for the sub picture.
SWAP
alternates between main and sub picture.
INPUT
selects the input mode for the sub picture.
SIZE
adjusts the sub picture size.
POSITION
Moves the sub picture to D / E or F / G direction.
6. **SWAP**
returns to the previously viewed programme.
selects a favorite programme.
7. **MENU**
selects a menu.
8. **D / E (Programme Up/Down)**
selects a programme or a menu item.
F / G (Volume Down/Up)
adjusts the volume.
adjusts menu settings.
OK
accepts your selection or displays the current mode.
9. **NUMBER BUTTONS**
switches the set on from standby or directly select a number.
10. **PSM (Picture Status Memory)**
recalls your preferred picture setting.
11. **TELETEXT BUTTONS (option)**
These buttons are used for teletext.
For further details, see the 'Teletext' section.
12. **LIST**
displays the programme table.

13. TV/AV

selects the remote operating mode.
switches the set on from standby.

14. ARC (Aspect Ratio Control)

changes the picture format.

15. CANCEL/EXIT

Clears all on-screen displays and returns to TV viewing from any menu.

16. SSM (Sound Status Memory)

recalls your preferred sound setting.

17. STILL

freezes motion of the picture.

18. I/II

selects the language during dual language broadcast.
selects the sound output.

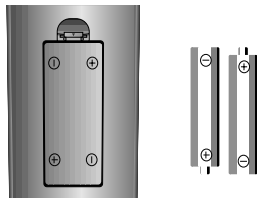
19. VCR BUTTONS

control a video cassette recorder.

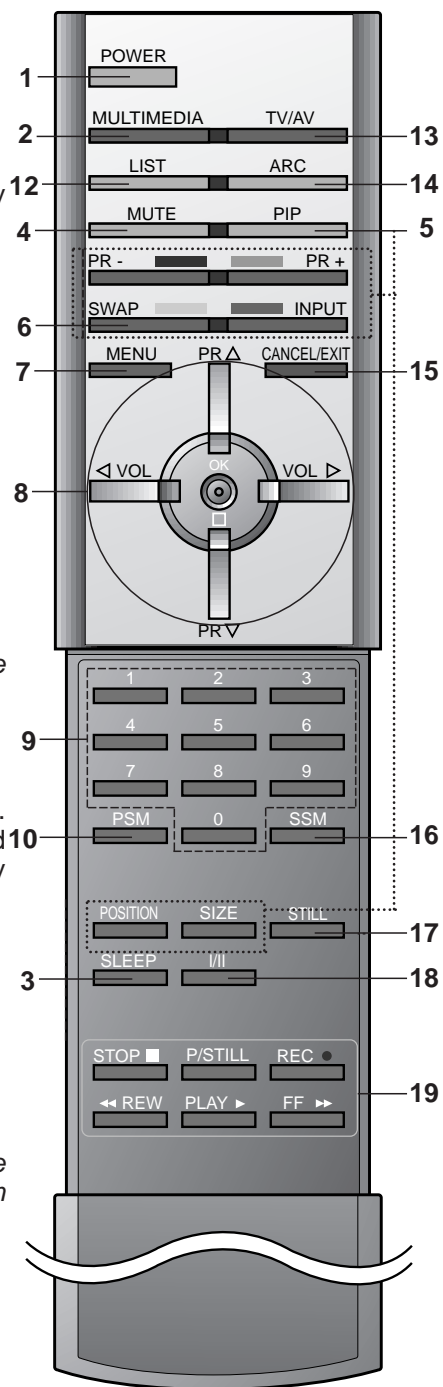
Note : In teletext mode, the **PR + / -**, **SWAP** and **INPUT** buttons are used for teletext function.

Battery installation

The remote control handset is powered by two AAA type batteries. To load the batteries, turn the remote control handset over and open the battery compartment. Install two batteries as indicated by the polarity symbols (+ and -) marked inside the compartment.



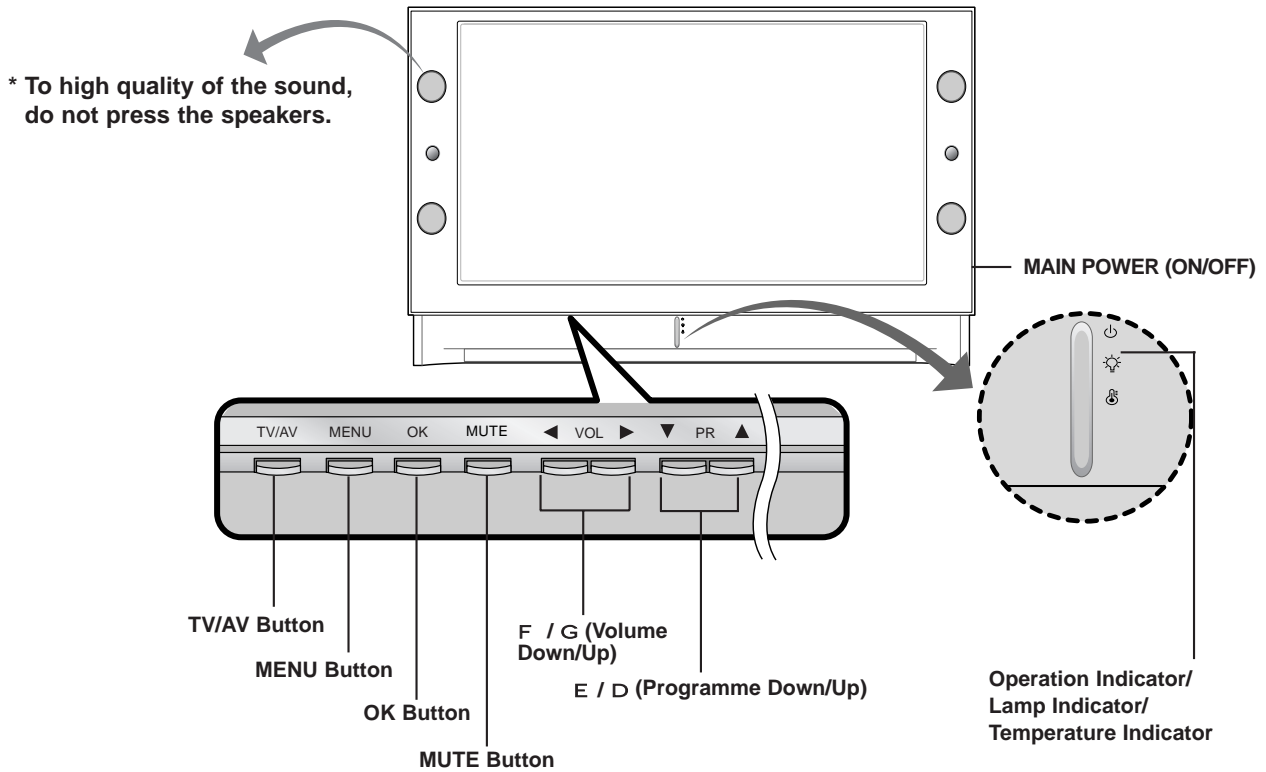
Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.



(Without TELETEXT)

Front panel

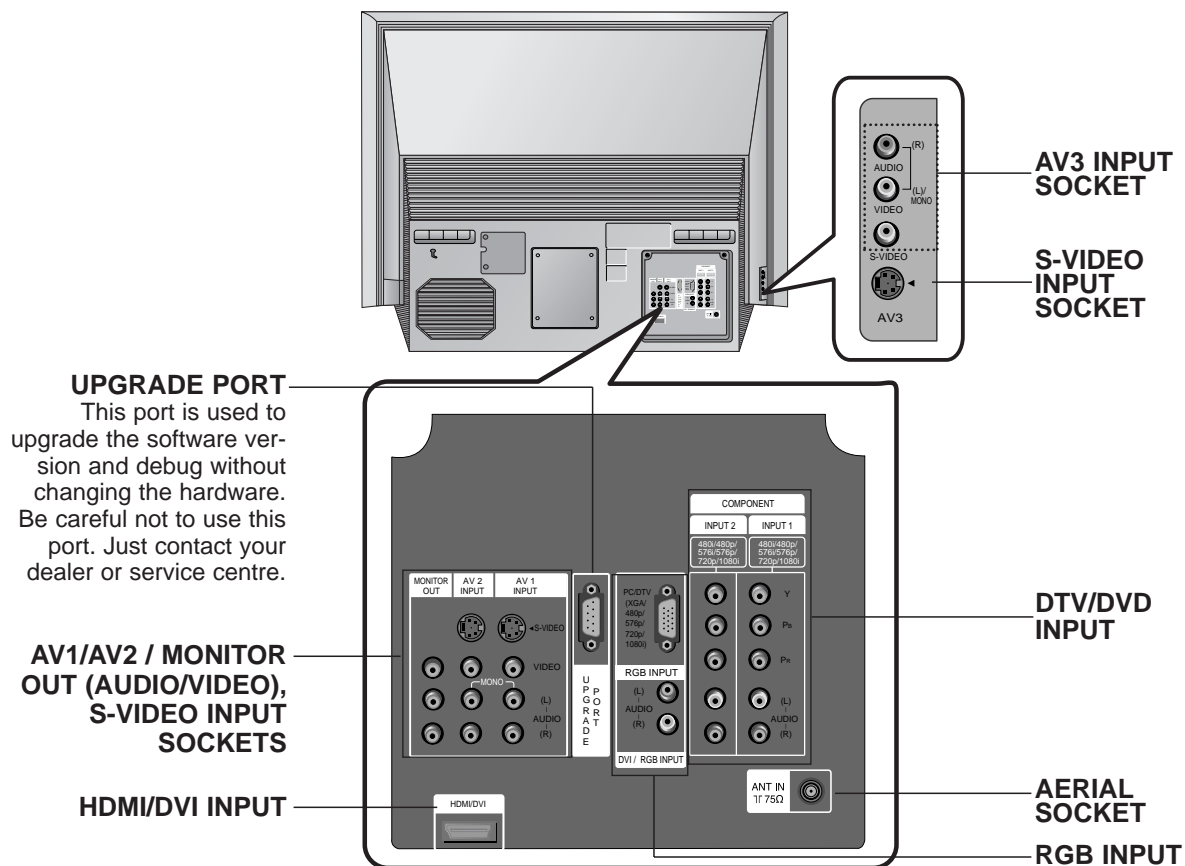
Lamp indicator, operation indicator, and temperature indicator, located side the front panel controls reveal the operating status of the DLP(Digital Light Processing) projection TV.



•Status Indicators

Operation Indicator	Off	Power cord is not connected or power switch is off
	Red	Power Cord is connected, unit is on standby.
	Green	On
	White (loading)	Preparing operation in standby.
Lamp Indicator	Orange	Projection lamp is reaching the end of its life and needs to be replaced with a new lamp.
	Red (flashing)	There is a problem with the lamp or around it. Contact an authorized service center.
	Red	Lamp life over.
	Green (flashing)	The lamp cover is not closed.
Temperature Indicator	Red	The set has shut down due to overheating. After viewing the phrase "Thermal High Error"
	Red (flashing)	The set has shut down, check the cooling fan.

Rear panel



REPLACEMENT THE LAMP

Lamp unit replacement

* You must replace the lamp when:

The image gets darker or starts to deteriorate.

The lamp indicator is orange.

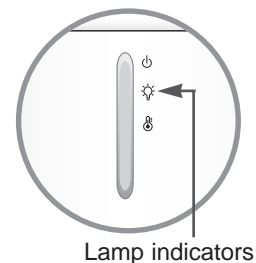
The lamp indicator is red.

The message "Replace the lamp" appears on the screen when turning the TV on.

Be careful when replacing lamp

- Turn off the power with the remote control. In 3 minutes, press the power button to off on the front panel and unplug the power cord. (For 2 minutes, cooling fan works after turning off power)
- Allow the lamp to cool for 30 minutes before replacing it.
- Replace only with the same type lamp from a LG Electronics Service Centre. Using other lamp type may cause damage to the TV and lamp.
- Pull out the lamp only when replacing the lamp.
- Keep the lamp unit out of reach of children or and heat sources such as radiators, stoves.
- To reduce the risk of fire, lamp shall not be exposed to liquids or foriegn material.
- Do not place the lamp near any heat source.
- Make sure the new lamp is securely tightened with screws. If not, the image may be dark or there could be a risk of fire.
- Never touch the lamp unit glass or otherwise get it dirty.

<Front panel of the TV>

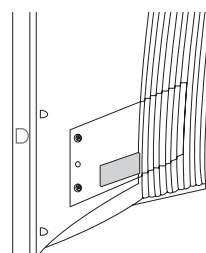


Lamp indicators

To obtain a replacement Lamp unit

Lamp model number is on the lamp cover. check the lamp model and then locate a LG electronic service center.

Using other type of lamp may cause damage to the TV or lamp.



Lamp unit disposal

LG electronic is provided with an interlock to reduce the risk of excessive ultraviolet radiation. Dispose of the used lamp by returning it to the LG electronic service center.

Replacing the Lamp

1. Turn off the power on the remote control to STBY. In 3 minutes, press the power button to off on the front panel and unplug the power cord.
(Allow the lamp to cool for 30 minutes before replacing it.)
2. Remove the 2 retaining screws on the lamp cover with a "+" type screwdriver then separate the lamp cover from the TV.
3. Remove the two retaining screws on the lamp case by using "-" type screwdriver.
4. Lift up the fixed wire knob on the lamp.
5. Pull out the knob slowly and remove the lamp case.
6. Insert the new lamp gently into the correct position. Make sure it is inserted correctly.
7. Tighten the screws you removed in step 3.
8. Replace the lamp cover and tighten the cover screws.
(If the lamp cover is open, the lamp indicator flashes green and the TV will not turn on.)



lamp case Screws



Screws



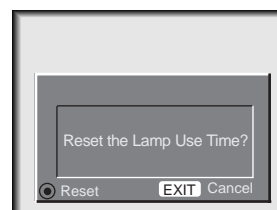
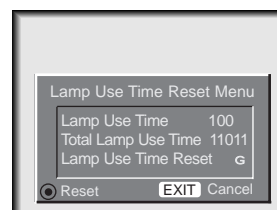
Knob

Note :

- Only use LG approved lamp replacement.
- Using incorrect type of lamp may cause damage to the TV or lamp.
- Make sure the lamp cover is securely fastened. If the lamp cover is open, the TV will not turn on.

Reset Lamp Time

- * You must reset lamp time on the menu after replacing the lamp.
 - * In some models, the lamp time may not be reset.
1. Press the **OK** or enter button on the front panel and **MUTE** button on the remote control simultaneously (About 5 seconds).
 2. Press the **VOLUME** (**G**) button.
 3. Press the **OK** or enter button.
Lamp time will be reset.



SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

√ Application Range

This spec sheet is applied to the 44/52" DLP TV used MB-05DA chassis.

Chassis	Model Name	Market Place	Brand	Remark
MB-05DB	44/52SZ8R-TB 62SX4R-AB	Australia / Non-EU	LG	

√ Specification

Each part is tested as below without special appointment.

1) Temperature : $25 \pm 5^{\circ}\text{C}$ (CST : $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$)

2) Relative Humidity : $65 \pm 10\%$

3) Power Voltage : Standard input voltage(AC 240V $\pm 10\%$, 50Hz)

* Standard Voltage of each products is marked by model.

4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.

5) The receiver must be operated for about 20 minutes prior to the adjustment.

√ Test Method

1) performance : LGE TV test method followed.

2) Demanded other specification.

Safety : CB specification

EMC : CE specification

Model Name	Market	Remark	Appliance
44/52SZ8R-TB 62SX4R-AB	Australia / Non-EU	Safety : EN55013, EMI : EN55020	TEST

▼ **General Specification**

No	Item	Specification	Remark
1	Aspect Ratio	16:9(wide)	
2	Operating Environment	1) Temp : 0~40 deg 2) Humidity : 0~85%	LGE SPEC
3	Storage Environment	3) Temp : -20~60 deg 4) Humidity : 0~85%	
4	Input Voltage	AC 140~240V, 50/60Hz	

▼ **Model Specification**

No	Item	Specification			Remark
1	Market	Australia / Non-EU			
2	Broadcasting system	PAL/ SECAM - B/ G PAL/ SECAM - D/ K PAL - I/ I			
3	Available Channel	BAND	PAL	NTSC	
		VHF	E02~E12	2~13	
		UHF	E21~E69	14~69	
		CATV	S01~ S20	1~125	
		HYPER	S21~S44		
4	Receiving system	Upper Heterodyne			
5	AV Input(3EA)	PAL, SECAM, NTSC(3.58/ 4.43)			
6	Monitor Out(1EA)	PAL, SECAM, NTSC(3.58/ 4.43)			
7	S-Video Input(3EA)	PAL, SECAM, NTSC(3.58/ 4.43)			
8	Component Input(2EA)	Y/ Pb / Pr			
9	RGB Input	RGB-PC/ DTV			D-sub 15 pin
10	HDMI Input	HDMI-PC/ DTV			
11	Audio Input(6EA)	PC Audio (1EA), Component (2EA), AV (3EA)			L/ R Input
12	Wired Control	Discrete IR			

▼ Feature and Function

No	Item		Specification		Remark
1	44/52SZ 8R-TB 62SX4R -AB	RF Input	1	2 Tuner (PAL-BG/ I/ DK, SECAM-BG/ DK, NTSC-M)	Rear
		AV Input	3	CVBS/ L/ R / S-VHS(S-VHS Priority)	Rear 2 / Side 1
		Monitor Out	1	CVBS/ L / R	Rear
		Component Input	2	480i/ 576i/ 480p/ 576p/ 720p/ 1080i	Rear
		RGB Input	1	RGB-PC : Up to XGA 85Hz RGB-DTV : 480p/ 576p/ 720p/ 1080i	Rear
		HDMI Input	1	HDMI-TV : Up to XGA 85Hz HDMI-DTV : 480p/ 576p/ 720p/ 1080i	Rear
		RS-232C	1	Remote Control, S/W Download	Rear
		IR Input	1	Discrete IR	Rear
2	Remocon Code		NEC Code		
3	Remote control		Wireless Remote Control		
4	Local Key		TV / AV, MENU, OK, F VOLG, DPRE		
5	Menu (Channel / Station)	Auto programme (Auto program)	System, Storage(0~99), Start		
		Manual programme (Manual program)	Storage, System, Band, Channel, Fine, Search, Name, Booster		
		Programme edit (Program edit)	Del, Copy, Move, Skip		
		Favorite programme (Favorite program)	8 Channel		
6	Menu (Picture)	PSM(Picture Status Mode)	Dynamic, Standard, Mild, User		
		CSM(Color Status Mode)	Cool, Normal, Warm, User(Red, Green, Blue)		
		XD	On / Off		
		ACM	Freshtone, Greentone, Bluetone		
		SRGB	On / Off		
		User	Contrast, Brightness, Colour, Sharpness, Tint		
7	Menu (Sound)	SSM(Sound Status Mode)	SRS TSXT, Flat, Music, Movie, Speech User Balance, Treble, Bass		
		BBE	On / Off		
		AVL(Auto Volume Limit)	On / Off		
		Balance			
		Equalizer	120/ 200/ 500/ 1.2K/ 3K/ 7.5K/ 12KHz		
8	Menu (Time)	Clock	User Setting		
		Off Time	On / Off (Time : User Setting)		
		On Time	On / Off (Time/ Volume/ Programme :User Setting)		
		Auto Sleep	On / Off		
9	Menu (Special)	Language	Non-EU7 (English, French, German, Spanish, Italian, Chinese, Russian) NU 5 (English,French,German,Spanish,Russian)		Australia : English only China : Chinese & English
		Child lock(Key lock)	On / Off		
		XD Demo	On : Left arrow(Vol+) Key Off : Exit Key		
10	Menu (Screen)	Auto config	RGB PC		Auto Position and Auto Clock&Phase
		ARC	RF/ AV/ Component 480i/ 480p/ 576i/ 576p : Spectacle, Full, Original, 4:3, 16:9, 14:9, Zoom Component-DTV/ RGB-DTV : 4:3, 16:9, Zoom RGB-PC/ HDMI : 4:3, 16:9		

No	Item		Specification		Remark
10	Menu (Screen)	Manual config	Phase : 0 ~ 63 Clock : -127 ~ +128		Available for only RGB PC
		Cinema (Film Mode)	On/ Off		RF, AV1/2, Component 480i,576i
		NR (Luma Noise Reduction)	3D NR : 0~ 16 MPEG NR : 0~63		Except RGB-PC / HDMI-PC
		Reset			Initialize user data
11	Menu (PIP/DW)	Input(Main)	TV-> AV1-> AV2-> AV3-> COMPONENT1->COMPONENT2-> RGB-> HDMI		
		DW	DW1, DW2, OFF		
		PIP	On/ Off		
		PIP Input(Sub Input)	Main Input	Sub Input	
			All Input	All (Except Main Input)	
		Win. Size	Variable(1/16~ 1/4 of Display size)		PIP Mode Only
		Win. Position	Variable		PIP Mode Only
		PIP transparency	0~10		PIP Mode Only
12	Hot Key (Remote)	Input Select	Mute-media	COMPONENT1->COMPONENT2->RGB->HDMI	
			TV/ AV (TV/ Video)	TV-> AV1-> AV2-> AV3 -> COMPONENT1->COMPONENT2-> RGB-> HDMI	
		PIP/ DW		PIP-> DW1-> DW2-> Off	
		ZOOM+/ ZOOM-		100~ 300%	
		MUTE		Audio Mute	
		Text		Teletext data display	
		SLEEP		Sleep Time 10~ 240 Min	
		LIST		Channel List	
		I/ II(RZ/ RT)		SIF Control	
		SWAP		O Text mode : Yellow Key Favorite : Favorite Favorite off : Q.view Pip/ Twin : Main/ Sub Swap	
		PIP INPUT		TV-> AV1-> AV2-> COMPONENT1->COMPONENT2-> RGB-> HDMI	
		SSM		SRS TSXT->Flat->Music->Movie->Speech->User	
		PSM		Dynamic-> Standard-> Mild-> User	
		FAVORITE			
		SIZE			
		POSITION			
		HOLD			
		TIME			
		ETC.		POWER, Numeric(0~9), PR+/-, ARC, PR ± , VOL ± ,Mute,PIP Input, PIP PR ±	
13	Adaptive	3D Comb Filter		O	
		DCDI(MADI)		O	
		Motion Detection		O	
		Noise Reduction		O	

Power

No	Item	Specification				Remark
		Min	Typ	Max	Unit	
1	Power ON/OFF operation	10000			times	
2	Starting Voltage	-20		20	%	Normal 220V
3	Starting Voltage, -10 Degree	-15		15	%	Normal 220V
4	DC Voltage, Ballast	370	390	410	V	
5	DC Voltage, 5V-STBY	4.5	5	5.5	V	
6	DC Voltage, 3.3V-STBY	3.135	3.3	3.465	V	
7	DC Voltage, 2.5V-STBY	2.375	2.5	2.625	V	
8	DC Voltage, 1.8V-STBY	1.71	1.8	1.89	V	
9	DC Voltage, Tuning Voltage	29	31	33	V	
10	DC Voltage, DLP Driver, 3.5V	3.135	3.3	3.465	V	
11	DC Voltage, DLP Driver, 2.5V	2.375	2.5	2.625	V	
12	DC Voltage, DLP Driver, 5V	4.5	5	5.5	V	
13	DC Voltage, DLP Driver, 12V	11.4	12	12.6	V	
14	DC Voltage, Fan	5.7	5.9	6.15	V	
15	Audio Amp	24	26	28	V	

External Interface

No	Item		Specification				Remark
			Min	Typ	Max	Unit	
1	Video Input Level		0.9	1	1.1	Vpp	
2	Video Input Frequency Response		3.0			MHz	At AV output
3	Video output S/N		40			dB	At AV output
4	S-Video Input Level (Y)		0.85	1	1.15	Vpp	
5	S-Video Input Level (C-Burst)		0.143		0.286	Vpp	
6	Component Video Input Level (Y, C _B / P _B , C _R / P _R)		0.6	0.7	0.8	Vpp	
7	R/G/B Video Input Level		0.6	0.7	0.8	Vpp	
8	Audio Input S/N		40			dB	
9	Audio Input Distortion				2	%	
10	Audio Input Level		0.3	0.4	0.5	Vrms	NTSC
			0.4	0.5	0.6	Vrms	PAL, SECAM
11	Audio Output Level		0.4	0.5	0.6	Vrms	
12	Audio Input Frequency Range	Low			0.05	kHz	
		High	7				

√ **Component Video Input (Y, P_B, P_R)**

No	Specification				Proposed
	Resolution	H-freq(kHz)	V-freq(Hz)	Pixel clock	
1	720*480	15.73	59.94	13.500	SDTV, DVD 480I(525I)
2	720*480	15.75	60.00	13.514	SDTV, DVD 480I(525I)
3	720x576	15.625	50.00	13.500	SDTV, DVD 576I(625I)
4	720*480	31.47	59.94	27.000	SDTV 480P
5	720*480	31.50	60.00	27.027	SDTV 480P
6	720x576	31.25	50.00	27.000	SDTV 576P
7	1280x720	44.96	59.94	74.176	HDTV 720P
8	1280x720	45.00	60.00	74.250	HDTV 720P
9	1280*720	37.50	50.00	74.250	HDTV 720P 50Hz
10	1920x1080	33.72	59.94	74.176	HDTV 1080I
11	1920x1080	33.75	60.00	74.250	HDTV 1080I
12	1920*1080	28.125	50.00	74.250	HDTV 1080I 50Hz

√ **HDMI Input(DTV)**

No	Specification				Proposed
	Resolution	H-freq(kHz)	V-freq(Hz)	Pixel clock	
1	720*480	31.47	59.94	27.000	SDTV 480P
2	720*480	31.50	60.00	27.027	SDTV 480P
3	720x576	31.25	50.00	27.000	SDTV 576P
4	1280x720	44.96	59.94	74.176	HDTV 720P
5	1280x720	45.00	60.00	74.250	HDTV 720P
6	1280x720	37.50	50.00	74.250	HDTV 720P 50Hz
7	1920*1080	33.72	59.94	74.176	HDTV 1080I
8	1920*1080	33.75	60.00	74.250	HDTV 1080I
9	1920*1080	28.125	50.00	74.250	HDTV 1080I 50Hz

√ **Option**

No	Item	Specification	Description	Remark
1	Area Code	7		
2	OPTION1 (Tuner opt)	200PR	0 : 100 PR Memory 1 : 200PR Memory	
		ACMS	0 : CH Memory On 1 : CH Memory Off	
		TEXT	TOP : A patent right payment nation FLOP : Basic Off : Text Off	
		CH+AU	0 : Others 1 : China/ Australia Frequency Table	
		BOOTS	Booster On/ Off control for 2 Tuner sys	
		AGC-Reference	AGC Threshold point	
3	OPTION2 (Audio opt)	SYS	BGIDKM : NTSC for N-EU BGIDKL : Secam for EU	
		A2 ST	0 : Acting FM-ST after checking Nicam 1 : Acting Nicam & FM-ST	
		I II SAVE	0 : Acting FM-ST after checking Nicam 1 : Acting Nicam & FM-ST	
		HDEV	0 : Off 1 : Audio High deviation on after checking over-Mod	
		V-Curve	0 : Slow LGE Vo.1 Curve 1 : Fast Vol Curve	
		MONO	0 : Acting followed SIF & I/ II 1 : Always Mono 1 : TTX	
		Audio Delay	0~150	
4	OPTION3 (Board opt)	Scart	0 : Phone Jack 1 : Scart Jack	
5	OPTION4 (Lang opt)	Default Lang	English	
		LANG	Eng only	
		TXT LANG		
6	OPTION5 (ETC opt)	INDEX	0 : Index Off 1 : Index On	
		Navigation Key	On : Only work Navigation Key Off : Work both Navigation and Vol/ CH Key	
		Favorite Key	On : Only work Favorite Key Off : Work both Favorite and Pip Swap Key On: HD4 Option on (Lamp Dimming, Picture Funtion) O	
		62Inch	On	

√ **Lamp & Temp**

IN-START for adjustment Remote Controller -> Lamp & Temp

No.	Item	Market Place	Remark
1	Lamp Life Time[khr]	The length of time that lamp is alive to capacity	
2	Lamp use Time[hr]	The length of time that lamp is used up to now	
3	Lamp Current Temp		For Engineering
4	Lamp Warn Temp	Warn below Warn Temp	Not real Temp
5	Lamp Error Temp	Power off below Error Temp	
6	Off-On Waiting[sec]	Waiting time when reoperation	

ADJUSTMENT INSTRUCTIONS

1. Application Object

This instruction is for the application to the DLP Projection

2. Notes

- 1) The power source insulation of this DLP Projection is not charging type and you may not use the transformer for insulation. But you'd better adjust the set after operating it with insulation transformer between power supply cable and input part of the set for protecting the adjusting equipment.
- 2) The adjustment must be performed under the correct sequence.
- 3) The adjustment must be performed in the circumstance of $25 \pm 5^{\circ}\text{C}$ of temperature and $65 \pm 10\%$ of relative humidity if there is no specific designation.
- 4) The input voltage of the receiver must keep 220V, 60Hz in adjusting.
- 5) The set must be operated for 5 minutes preliminary before adjustment if there is no specific designation. The preliminary operation must be performed after receiving 100% white pattern, but reception of the moving picture may also be possible in unavoidable case.

3. Composition of Adjustment Mode

- 1) All adjustment mode by pressing down ADJ key of a adjustment remote controller, after adjustment as they also come out by pressing down ADJ key.
- 2) Adjustment mode component : When early ADJ presses presented screen component.



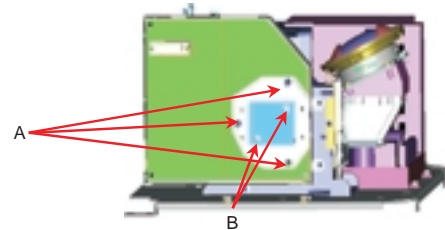
<Fig 1. Adjustment Mode OSD>

- 3) Select menu to adjust with using (CH+(D), CH-(E)) key above screen and press Enter key <Fig 1>.
- 4) After entering into ADJ Mode list, using CH+(D), CH-(E) key, after choosing an adjustment list one more time, adjustment value is changed by using ENTER Key.
- 5) Press the ADJ key to come out after adjustment.
- 6) Preparation for Adjustment

- (1) Connect the power to TV Set and set the status of "Power on".

- (2) Heat-Run must operate over 5 minute before adjustment.

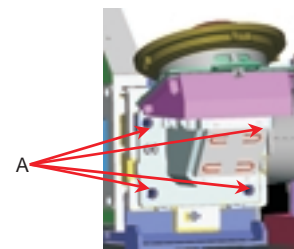
4. Adjustment the optical engine



<Fig 2>

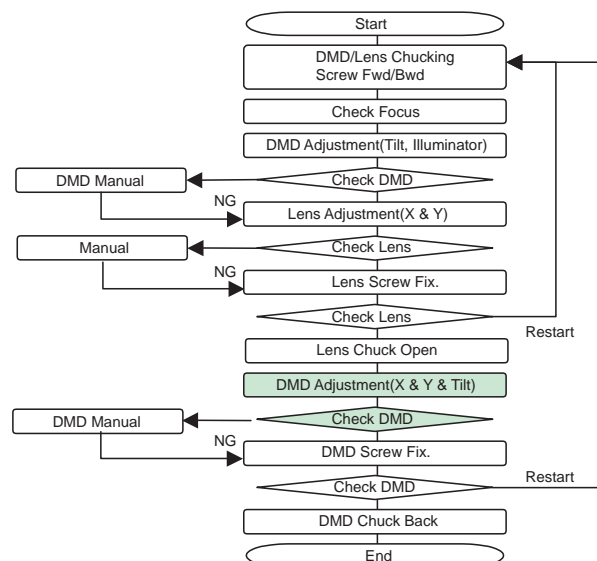
- 1) After placing the optical engine on the JIG, adjust illuminator by adjusting with automatic adjustment the B as shown <Fig 2>.

- (1) When adjust illuminator, search the scope does not fall in illuminator and Tilt adjustment complete with automation equipment in that scope.
- (2) After adjusting, A fix with Screw using automation equipment.



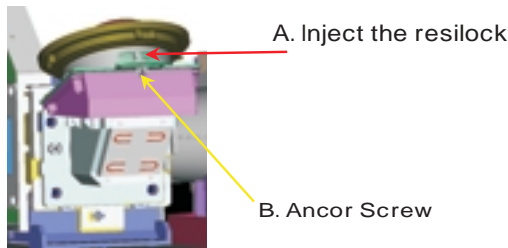
<Fig 3>

- 2) In order to move the Optical system adjusted the Tilt to center of the screen, adjust with automatic device. After automatically adjusting the illuminator in <Fig 3> adjust the position. (Refer to Automatic Adjustment Sequence)



<Reference> Automatic Adjustment Sequence

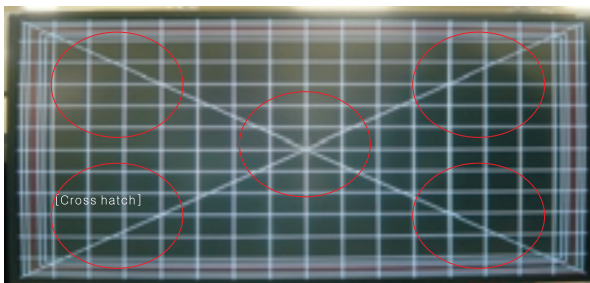
- 3) After adjusting the illuminator, adjust the focus by using the focus adjustment screw of projection lens. After adjusting, fasten the screw tightly and secure with sealer <Fig 4>.



<Fig 4>

* Note: The focus check point is not the screen center but the upper/ lower screen.

* The pattern When Focus adjustment



<Fig 5>

- 1) Come to Cross Hatch in the adjustment T/X Adj>Pattern.
- 2) Adjustment to the most adequate Focus being changed Focus adjustment Knob.
- 3) Adjustment /Check for Focus of mark part to be same.
 - a. Focus : Center Best
 - b. Flare : 1.5pixel
- 4) After finishing adjustment, adjustment Knob is made to be Fix.

5. Check the CWI/ NDC adjustment movement and Default data

(Base value --> CWI: 160, NDC: 12)

1) Required Test Equipment

: Remote control

2) Preparation for Adjustment

- (1) Connect power and turn Power on.
- (2) Using the Remote Control, enter from ADJ to CWI/ NDC.
- (3) Check the Variable and base value(CWI:160, NDC:12)

6. Check the Actuator adjustment movement and Default data

1) Required Test Equipment

: Remote control

2) Preparation for Adjustment

- (1) Connect power and turn Power on.
- (2) Using the Remote Control, enter from ADJ to Actuator_60.

- (3) Check the Variable and base value ACT Gain and Phase
 - Phase(Base value : 220)
 - Gain(Base value : 70)
- (4) Using the Remote Control, enter from ADJ to Actuator_50.
- (5) Check the Variable and base value ACT Gain and Phase
 - Phase(Base value : 165)
 - Gain(Base value : 47)

7. Caution for DMD(Digital Micro-mirror Device)

1) Caution for DMD ESD

- (1) You connect the grounding to prevent ESD (Electrostatic Discharge) when handling the DMD.
- (2) The worker have to wear wrist strap that connect to ground.
- (3) Electric workshop and an electric conductor surface connect to ground.
- (4) Save the DMD after removal a static electricity. Keep it at an exclusive case when moving it. When grounding, open the case.
- (5) Put on gloves that to prevent static electricity. If it's old, replace it.
- (6) The work is done at the electro static-free location. Attach the tape or remove dust on the front or back pin of DMD glass.

2) Caution

- (1) Keep the procedure and caution to prevent the screen strange phenomenon. Don't make a scratch.
 - (2) When DMD stains with dust, polish the front and back DMD with soft wiper. Then, polish the front and back DMD after rotating 180 degree the DMD. If necessary, take a inspection.
 - (3) Don't clean the DMD with the high pressure. Because the electric static and pollution influence to DMD.
- * TI Reference : DMD Handling Specification, DMD Cleaning.

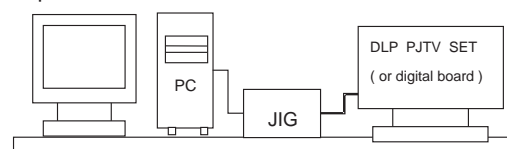
8. EDID Data Input

1) Required Test Equipment

- (1) PC, S/W for writing DDC(S/W : EDID TESTER Ver. 2.5)
- (2) A JIG for adjusting.
- (3) Serial(9Pin or USB) to D-sub 15Pin cable, D-sub 15 Pin cable. DVI to HDMI cable

2) Preparation for Adjustment & Setting of Device

- (1) Set devices as above <Fig 6> and turn the PC,JIG on.
- (2) Put S/W for writing DDC (EDID data Write & Read) into operation.



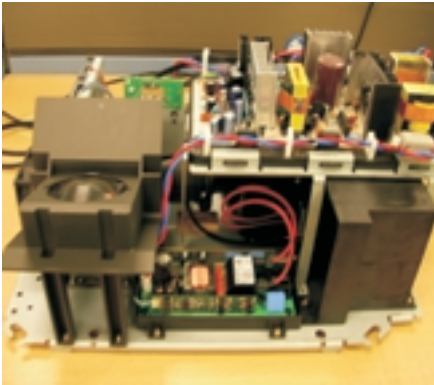
<Fig 6. Composition diagram for EDID Data Input>

3) Sequence of Adjustment

- (1) Put the set on the table and turn the power on.
- (2) Operate EDID Write command by pressing Function Key F8.
- (3) When "OK" letter appear, completed the Write.

9. HD4(DLP) Engine Tilt / Adjustment the Keystone

: Apply Mode -> 62SX4R-AB

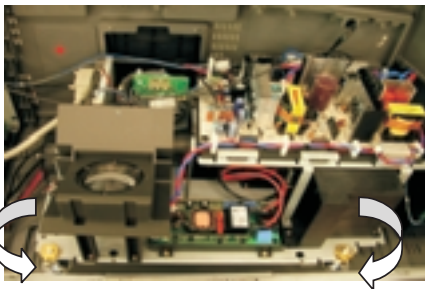
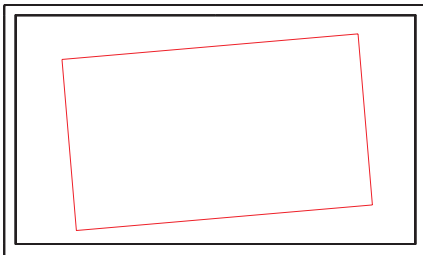


1) Geometry

- (1) When the upper portion of the screen is larger than the bottom : Projection lens may be upward.
- (2) When the upper portion of screen is smaller than the bottom : Projection lens may be downward.
- (3) When the horizontal line is tilting in the Cross pattern : Engine Base may be rotating with the left/ right.

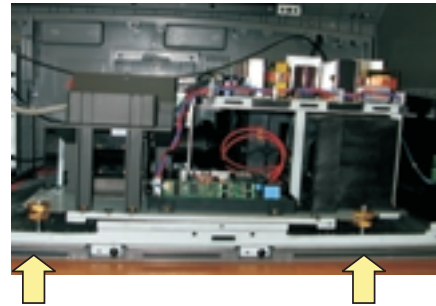
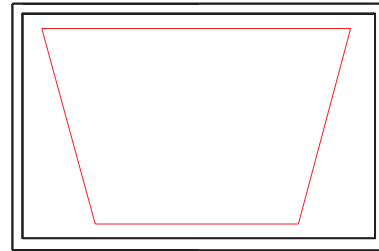
2) Geometry, Adjustment

- (1) When the screen is rotated : Rotate all Engine.



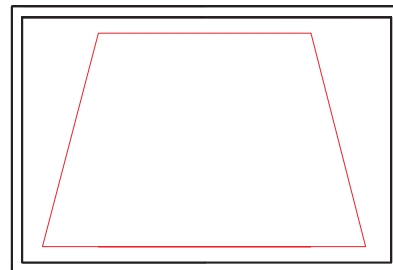
- a. Distortion Type : Tilt
- b. Adjustment Method : Rotate the Engine Base on the right or left side so line of the Cross pattern will be level.

- (2) In case of the upper screen size is large bottom screen size than : upward projector.



- a. Distortion Type : Keystone
- b. Adjustment Method : Raise the front panel as looking downward the projection lens and then bottom screen size is large so the image will be level.

- (3) In case of the upper screen size is smaller bottom screen size than : downward projector.



- a. Distortion Type : Keystone
- b. Adjustment Method : Lower the front panel as looking upward the projection lens and then upper screen size is large so the image will be level.

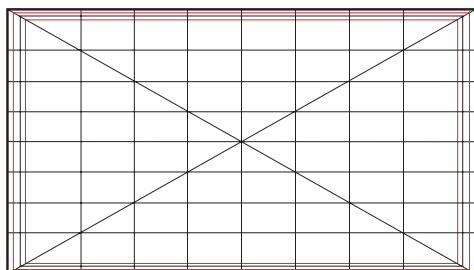
10. Screen Position Adjustment

: Base value (H : 0, V : 0)

1) Required Test Equipment

A remote control of adjustment

2) Horizontal Position Adjustment

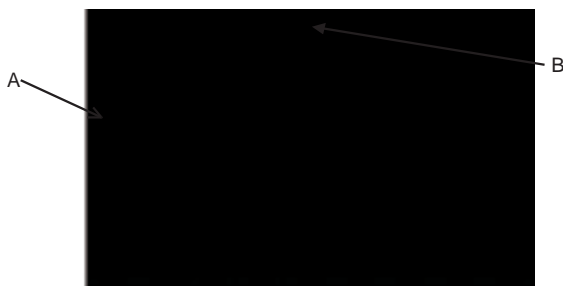


<Fig 7>

- (1) Press ADJ key on the remote control to enter the adjustment mode
- (2) Select the POSITION of the adjustment menu.
- (3) As shown this , adjustment Pattern is displayed.
- (4) Adjust data with using the left/right key on the remote control in order to be left/right symmetry screen<Fig 7>.
- (5) When the changeable range is escaped, you do NG.

3) Vertical Position Adjustment

- (1) Change the data to symmetrized upper and down of screen (refer to Fig 8) and then press the Volume key on Remote control to get out of adjustment mode.
- (2) When the changeable range is escaped, you do NG.



<Fig 8>EU 05ch

* After finishing the adjustment, input the EU 0.5ch to check the adjustment level.

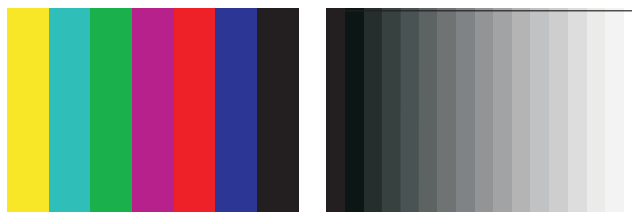
11. Adjusting the Auto Color Balance

1) Required Test Equipment

: Remote Control, MSPG-925FS Pattern Generator
(NTSC 720p YpbPr output & PC 1024*768@60Hz with Standard(0.7Vpp) Vertical 100% Color Bar Pattern & Vertical16 Gray Pattern)

2) Preparation for Adjustment

- (1) Connect power and turn Power on.
- (2) Do Heat-Run for 5 minutes and over before adjustment.
- (3) Receive the component1.
- (4) Receive the NTSC, COLOR Bar Pattern of MSPG-925FS <Fig 9>.



<Fig 9. COLOR BAR Pattern> <Fig 10. Vertical16 Gray Pattern>

3) Adjusting the Auto Color Balance

- 1) On inputting the signal, press the ADJ key on the remote control to enter the adjustment mode when screen is displayed.
- 2) In adjustment items, enter the **Auto RGB(HEX)** and press the (G)button to enter the adjustment items, auto,atonally In menus, enter the **Auto Color Balance G To Set** and press the button to complete and then display the "OK" OSD message.
- 3) When AV1 adjustment is completed, turn to the Component1.
- 4) Press Adjust key on the remote control to enter the adjustment mode after receive the 720/60Hz Pattern, COLOR Bar Pattern of MSPG-925FS <Fig 9>.
- 5) In adjustment items, enter the **Auto RGB(HEX)** and press the (G)button to enter the adjustment items, auto,atonally In menus, enter the **Auto Color Balance G To Set** and press the button to complete and then display the "OK" OSD message.
- 6) When Component adjustment is completed, turn to the RGB.
- 7) Press Adjust key on the remote control to enter the adjustment mode after receive the 720/60Hz Pattern, COLOR Bar Pattern of MSPG-925FS <Fig10>.
- 8) In adjustment items, enter the **Auto RGB(HEX)** and press the (G)button to enter the adjustment items, auto,atonally In menus, enter the **Auto Color Balance G To Set** and press the button to complete and then display the "OK" OSD message.

** Passively, correct the Sub Picture(HUDSON)**

If Vertical 16 Gray Pattern is shaken. after finishing the adjustment.

- When green color is appear, severely.
 - a. In menu, press the to enter the Hudson at the Device.
 - b. In menu, passively correct, coming down the ADC G-Offset2.
 - c. Press the ADJ button to exit the adjustment mode.
- When green color is appear, lightly.
 - a. In menu, press the to enter the Hudson at the Device.
 - b. In menu, passively correct, coming up the ADC G-Offset2.
 - c. Press the ADJ button to exit the adjustment mode.

12. Adjusting the Actuator

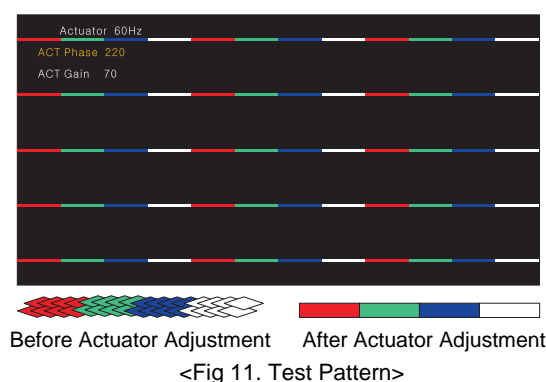
1) Required Test Equipment

: Remote Control

2) Preparation for Adjustment

- (1) Connect a power source with TV Set and turn TV set on.
- (2) Using the Service Remote Control, enter from ADJ to Actuator_60Hz.

- (3) ACT Gain and Phase is variable and the Tartan plaid of R, G, B, W Horizontal Line adjust not distinguished not to be.
- The Phase(Base value : 220) variable adjust Mutation point of Actuator.
 - The Gain(Base value : 70) adjust mutation quantity of Actuator.
- * The Tartan plaid of R, G, and B adjust not visible not to be. But, when the R, G and B will not agree, adjust with point R and G agree.
- (4) Using the Service Remote Control, enter from ADJ to Actuator_50Hz.
- (5) ACT Gain and Phase is variable and the Tartan plaid of R, G, B, W Horizontal Line adjust not distinguished not to be.
- The Phase(Base value : 165) variable adjust Mutation point of Actuator.
 - The Gain(Base value : 47) adjust mutation quantity of Actuator.
- * The Tartan plaid of R, G, and B adjust not visible not to be. But, when the R, G and B will not agree, adjust with point R and G agree.



13. CWI / NDC Adjustment

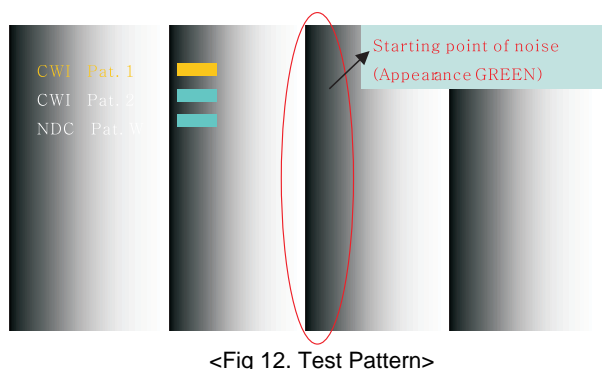
- (Base value --> CWI: 160, NDC: 12)
- 7 segment Color wheel - CWI : 160, NDC : 12
- 6 segment Color wheel - CWI : 100, NDC : 0
- 6 segment Color wheel admits 4,500EA only for inventory reduction.

1) Required Test Equipment

: Remote control

2) Preparation for Adjustment

- Connect power and turn Power on.
- Using the Remote Control, enter from ADJ to CWI/ NDC.



3) Adjustment

- Using the Channel key, adjust CWI-Pat.1 to the LEFT/ RIGHT
 - As adjustment, check the appearance noise in the TEST Pattern<Fig 12>.
- Setting the value reduced (3)~(4) step at a GREEN noise disappearing spot.
- * Intermediate value the point Green color disappears from the Ramp Pattern and the point bottom color purity comes to be uniform from the RED Pattern is same (3)~(4)-step with value Green color disappears from the Ramp Pattern.
- Using CH UP/DOWN key of the Remote Control, enter the RED PATTERN.
 - Check the RED Pattern<Fig 13> to uniform. After checking unless abnormality do OK.



<Fig 13. RED Test Pattern>

4) NDC Adjustment

For compensation deviation of each Lamp uses NDC Mode. Sees the Pattern and adjust left/right value using Channel Key on Remote Control for Adjustment to be uniform color of the White. (Lamp life compensation)



<Fig 14. Test Pattern>

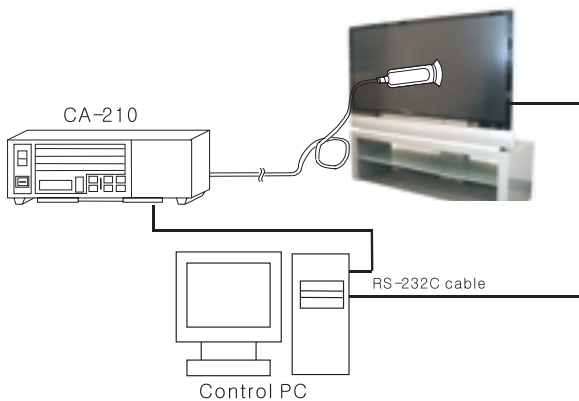
14. Adjusting the Auto CCA

1) Required Test Equipment

: CA-210

2) Adjustment Sequence

- Install the equipment(CA210) be 5cm away from screen center.
- RS-232C cable is connected from Control PC in the SET.
- Measure is started in the statement that SET is done to Heat Run.



<Fig 15. CCA Automatic Adjustment Set-up>

3) Sequence of Adjustment

- (1) Auto adjustment program is practiced (ccws.exe)
- (2) Measure Model is chosen in Work->Select_Model(*cmf pile)
- (3) Check 'Cool Inspection', Warm Inspection', Medium Inspection' box of left column in the main screen come to be checked.

*If it was not checked, Inspection is not practiced after doing measure.



<Fig 16.CCA Automatic adjustment program main screen >

- (4) Click Auto Measure.

->There is progress situation in the right Auto CCA Process.
(Start measure automatically to R->G->B->W order, practicing to inspection about White, OK, NG are judged in the right subpart and then being marked.)

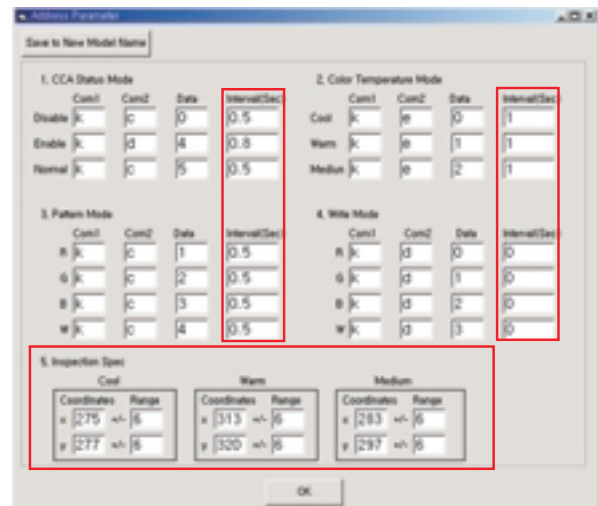
- (5) Adjustment finishing in case OK.
- (6) In case NG, Auto Measure is again practiced in 1~2 times.
In cats NG, adjustment NG is managed to repractice of the 3 times.
- (7) Set CA-210 Sync type : Set Sync to univ.

4) CCA Automatic Adjustment Target Value.

	X Coordinate	Y Coordinate	Tolerance	Color Temperature
Cool	275	277	± 6	11600K
Warm	313	320	± 6	6600K
Medium	287	289	± 6	9300K

5) Program Edit.

- (1) Model Edit : Interval time and Target White coordinate that are between command words per Mode, being possible to correct a common difference.<Fig 17>



<Fig 17. CCA Automatic Adjustment program main Screen>

- (2) Port Edit : CA-210 and RS-232C Connection setting about SET <Fig18>.



<Fig 18. CCA Automatic Adjustment program main Screen>

*** To be impossible auto adjustment manual adjustment***

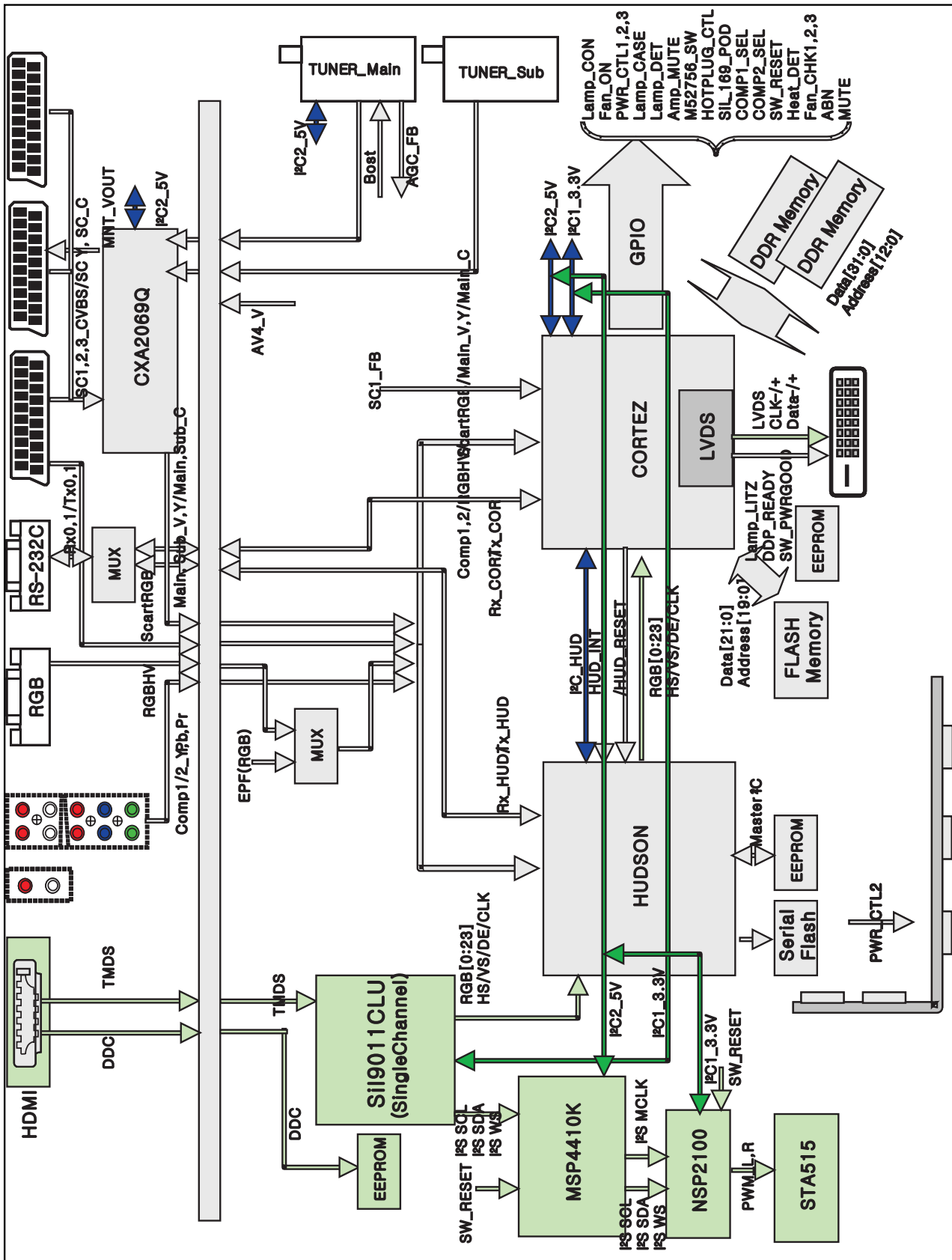
- (1) Entry become to IN-START-> Optics Check order using the adjustment remote controller.
- (2) Color coordinates (x, y, L) of White is measured choosing Full Color.
- (3) After Green, Red, Blue using CH(E) key, each color coordinates is measured.
- (4) Entry becomes to Manual CCA in the ADJ adjustment mode of adjustment remote controller.
- (5) After fitting Color Temp to Normal, measured color coordinates value of R, G, B, W are input.

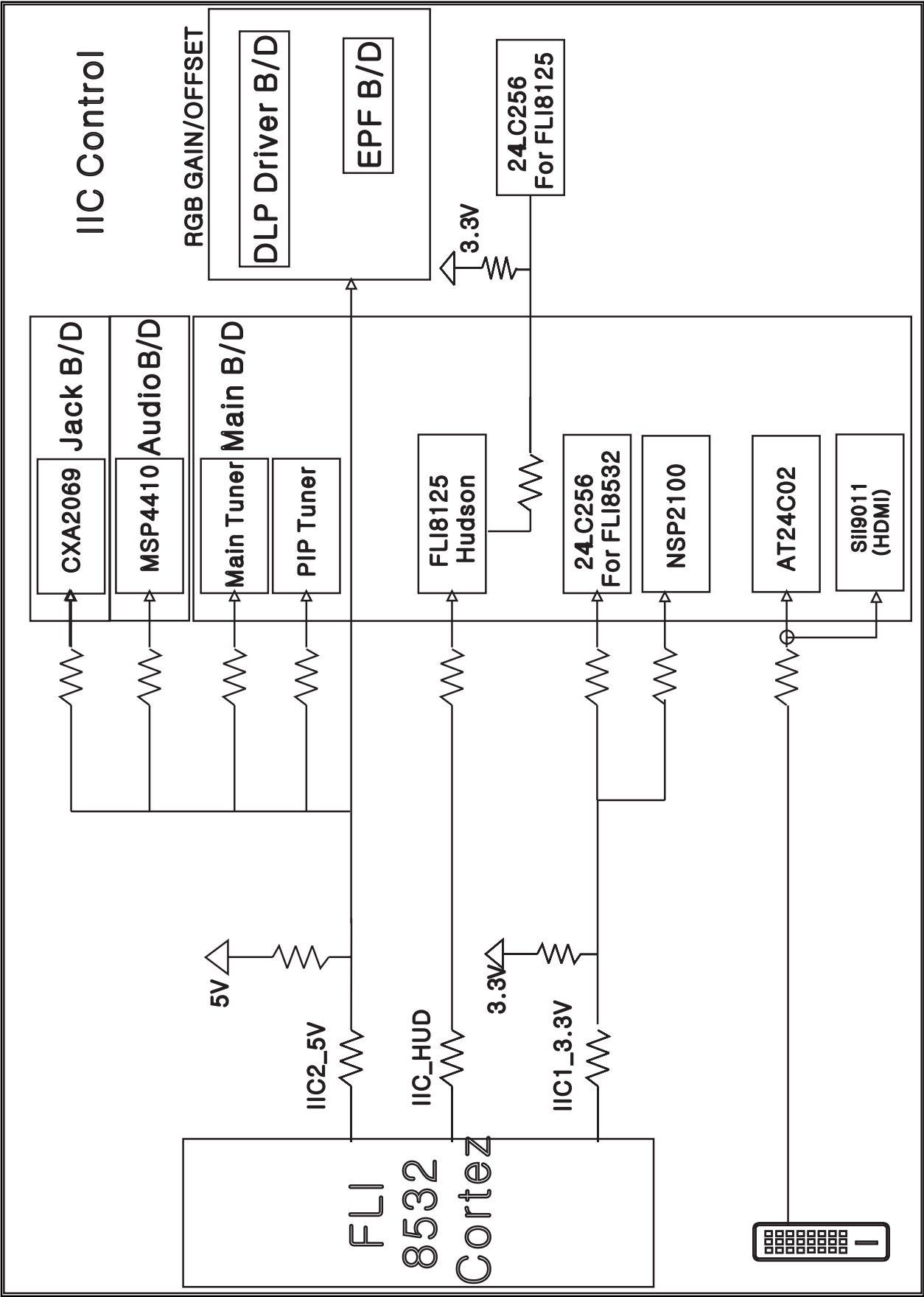
15. Check the adjustment of the plant shipping mode

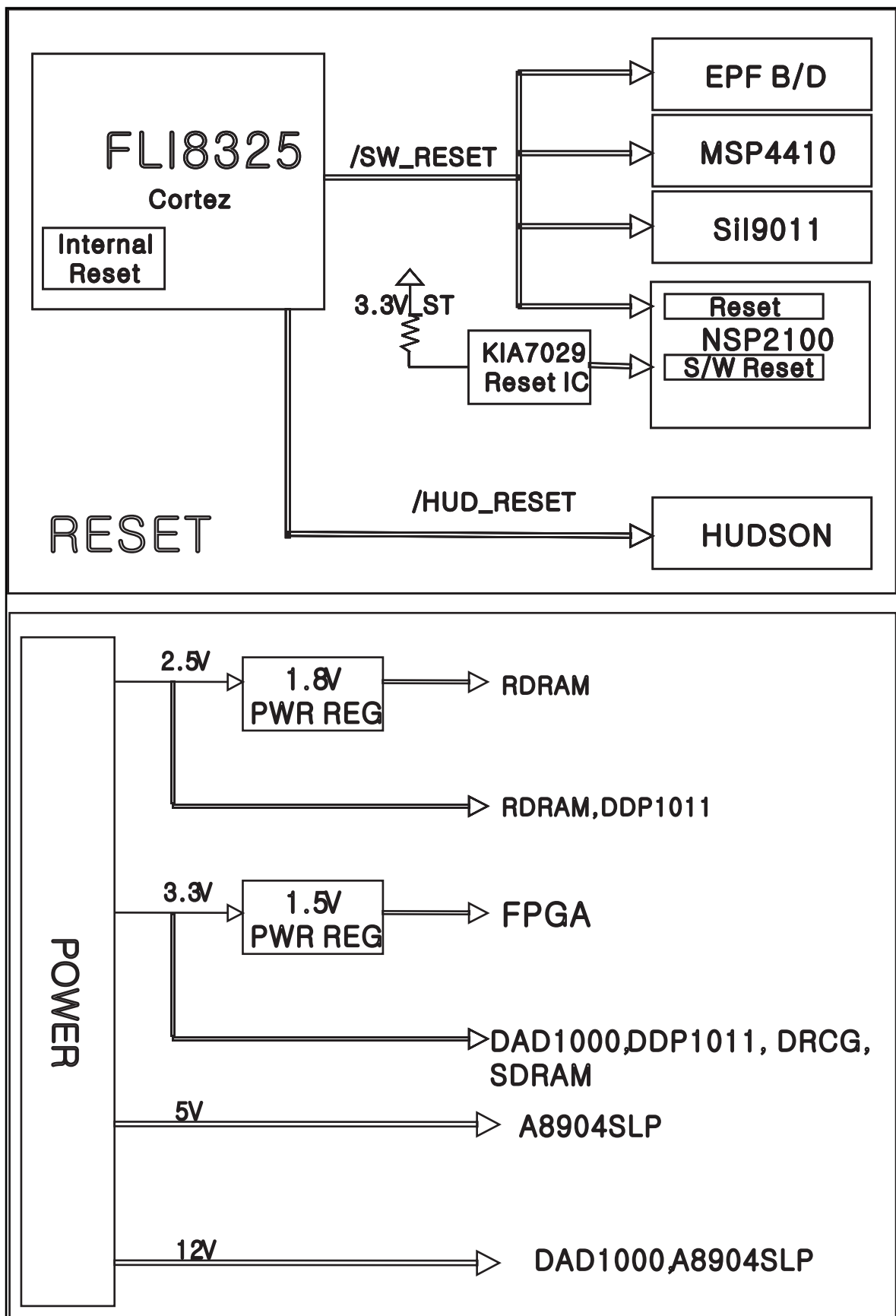
: This adjustment is checking the set state after take a adjustment of examination, check state of this model as shown below pressing the IN_STOP button on the adjustment Remote Controller.

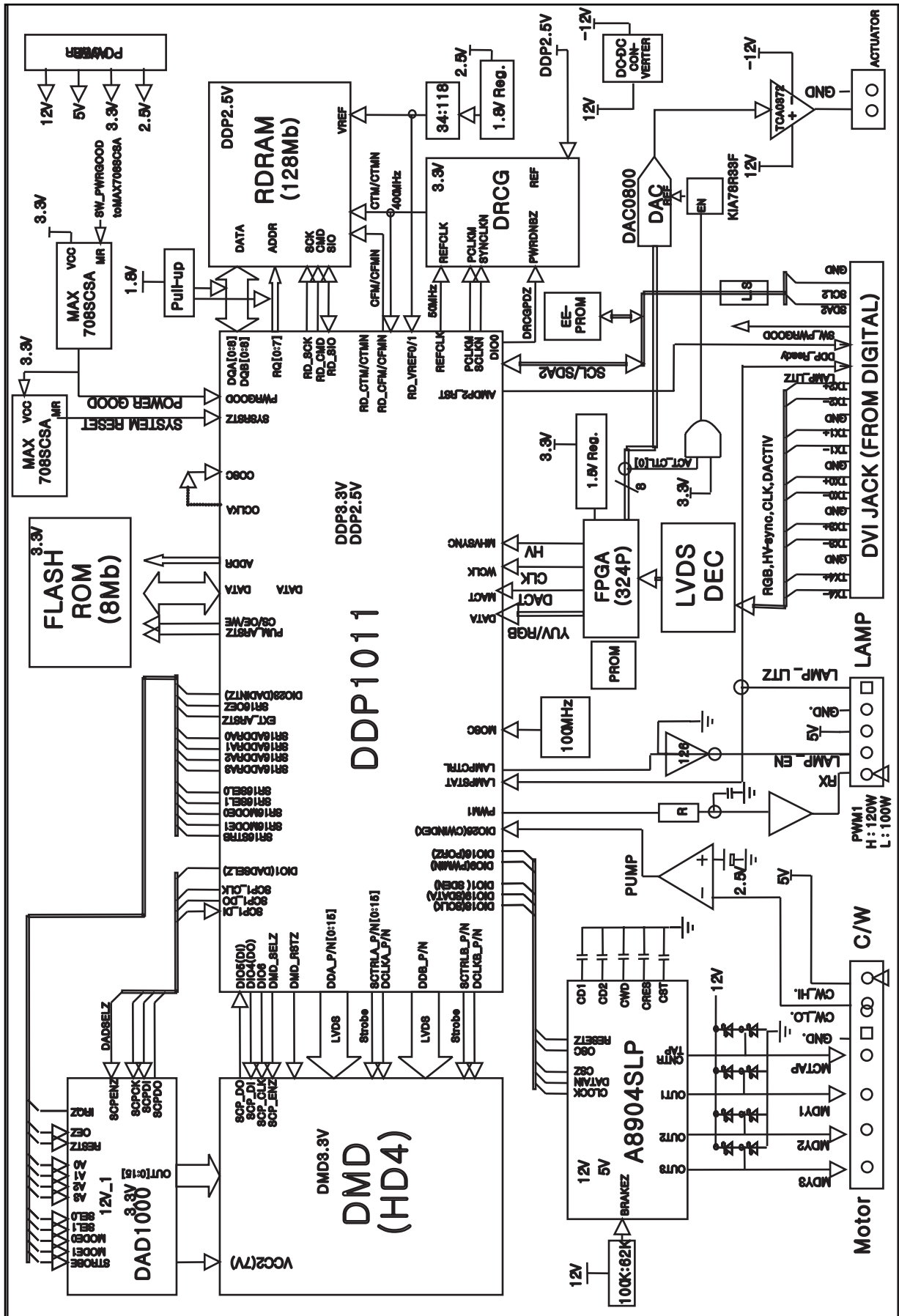
No	Item		Specification				Remark
			Min	Typ	Max	Unit	
1	Power		Off				
2	System		BG				
3	Band		V/UHF				
4	Channel		1				
5	Name		C1(45.25Mhz)				
6	Storage		1				
7	Booster		On				
8	Channel Memory		28EA Channel				
9	PICTURE	PSM	Dynamic				
10		Contrast	95				
11		Brightness	50				
12		Color	50				
13		Sharpness	60				
14		Tint	center(Only NTSC)				
15	Cinema		Off				
16	SSM		Flat				
17	AVL		Off				
18	Balance		Center				
19	Equalizer		Center				
20	Auto Sleep		Off				
21	Sleep Timer		Off				
22	Main Input		TV(On)				
23	PIP Input		TV(Off)				
24	Child Lock		Off				
25	ARC		16:9				
26	Volume		30				
27	PIP		Off				
28	PIP Position		Right-Bottom				
29	OSD Language		English				
30	PIP Size		Small(1/16)				
31	XD		ON				
32	COLOR TEMP		Cool				

BLOCK DIAGRAM





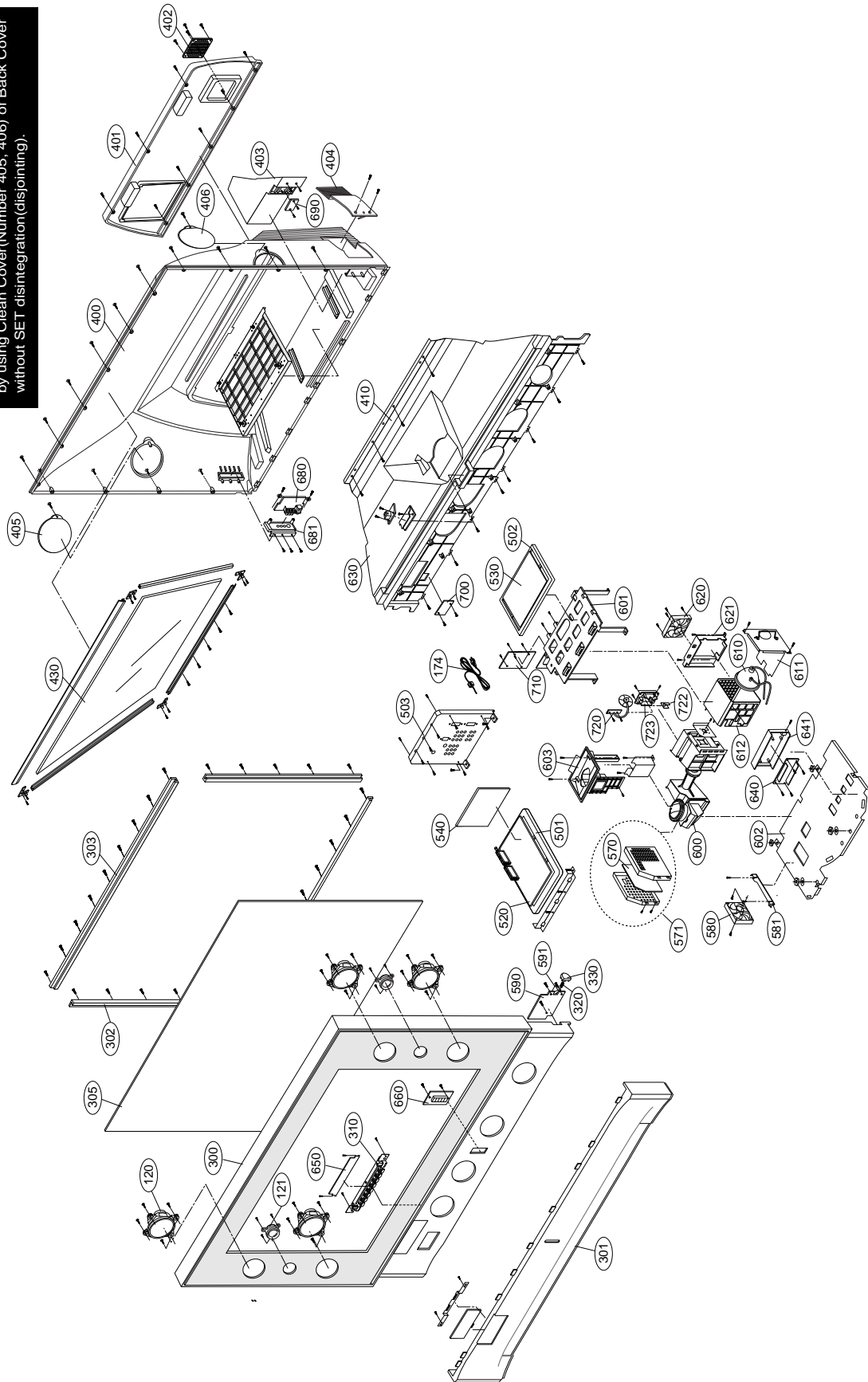




MEMO

EXPLODED VIEW

As a foreign substance turns up within the SET,
a work of clearing foreign substance should be done
by using Clean Cover(Number 405, 406) of Back Cover
without SET disintegration(disjointing).



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
120	6400GTTC02A	SPEAKER, FULLRANGE F30C-6622-1 TOPTONE FULL-RANGE(GENERAL) 16OHM 15/25W 80DB 80 NOTHING LUSTER
121	6400DTTA01A	SPEAKER, TWEETER F20T-6624 TOPTONE TWEETER(DOME) 8OHM 15/25W 84DB 50 NOTHING LUSTER
174	6410VHH002D	POWER CORD, KJP-170F KUKJE SAA 2200MM L1 800MM HOUSING BLACK
300	3091V00808D	CABINET ASSEMBLY, 62SX4R-AB MB-05DB PHANTOM
301	3550V00638C	COVER, FRONT LOWER 62SX4D-NA ABS, AF-303S
302	4980V00D32F	SUPPORTER, SCREEN AL RIGHT/LEFT 62SX40
303	4980V00D32E	SUPPORTER, SCREEN AL TOP/BOTTOM 62SX40
305	3351V00028A	SCREEN ASSEMBLY, DNP LGE WLF DN-62SZ71D 1393*794*4.0 .
310	5020V01057A	BUTTON, CONTROL DN-52SX40D ABS, HF-380 8KEY KOREA
320	320-062H	SPRING, COIL
330	5020V01044A	BUTTON, POWER DU-62SY20 ABS
400	3809V00579C	BACK COVER ASSEMBLY, 62SX4R-AB TOTAL ASSY FOR AUSTRALIA
401	3809V00544C	BACK COVER ASSEMBLY, 62SX4R-AB ,ASSY OF 3808V00535
402	3550V00269E	COVER, LAMP FAN DUCT PC-ABS TN-56SZ70LR
403	3110V00475A	CASE, 62SX4D-UB ABS, AF-303S LAMP DUCT
404	3550V00595A	COVER, LAMP 62SX4D-UB HIPS 40AF SIDE
405	3550V00597A	COVER, DN-62SX40D HIPS 40AF DUST CLEAN(L)
406	3550V00596A	COVER, DN-62SX40D HIPS 40AF DUST CLEAN(R)
410	3550V00639A	COVER, DUCT 62SX4D-UB HIPS 40AF DUST COVER ASSY
430	5018V00086E	MIRROR, ASSY KIT GLASS FRONTSIDE . DN-62X40D
431	4980V01079A	SUPPORTER, MIRROR AL TOP,TN-62SZ70LR
432	4980V01080A	SUPPORTER, MIRROR AL ,BOTTOM,TN-62SZ70LR
433	4980V01081A	SUPPORTER, MIRROR AL ,SIDE,TN-62SZ70LR
501	3210V00165A	FRAME, FRAME HIPS 40AF RN-48SZ40 SMPS CHASSIS
502	3210V00280A	FRAME, CHASSIS HIPS 40AF DU-44SZ53D SMPS
503	4811V00152L	BRACKET ASSEMBLY, REAR AV 62SX4R-AB MB05DC AUSTRALIA
520	6871VMMU26D	PWB(PCB) ASSEMBLY, MAIN MAIN M.I MB05DB 62SX4R-AB AAULLAX SVC
530	6871VPMB14A	PWB(PCB) ASSEMBLY, POWER SMPS MB-05EA AUS AC INPUT M/I
540	6871VSMACQA	PWB(PCB) ASSEMBLY, SUB JACK MB05DB RT-44SZ84DB JACK
570	6871VSMANZD	PWB(PCB) ASSEMBLY, SUB MB05DC 44SZ8R-UE ANALTAX M.I FOR DMD HD4 DRIVER
571	3141VSN577D	CHASSIS ASSEMBLY, SUB MB05DC HD4 DMD BOARD ASSY FOR 44SZ8R-UE
580	5900V09008F	FAN, G9232S06B2-AA DONGYANG DC AXIAL 6V 90MM 1700RPM 3P 850MM IC-LA6583M
581	4980V00E80B	SUPPORTER, SECC(EGI) NEW DMD FAN SUPPORTER HD3 PRESS
590	6871VSN222C	PWB(PCB) ASSEMBLY, SUB PSW MB042A DN-44SZ80L
591	351-012A	LINK, POWER 5.5*18 ABS, HF-380 .
600	3141VSN571B	CHASSIS ASSEMBLY, SUB MB05DB HD4 DLP SUB ENGINE FOR 62SX4R-AB
601	4980V00C01C	SUPPORTER, SMPS EGI RU-44SZ63D
602	4980V00D11B	SUPPORTER, ENGINE SECC(EGI) BASE,DU-62SY20D
603	3550V00567D	COVER, SX40 MODEL HIPS 40AF LENS COVER HD3
610	6912B22007B	LAMP, HIGH PRESSURE MECURY UHP 120W 1.0 PH E22 PHILIPS 70V 1.6A 130MM/160MM XHD3
611	4814V00502D	SHIELD, ASSY SHIEDL CASE LAMP ASSY(PRESS)
612	3110V00477A	CASE, DU-62SY20D E-22 LAMP CASE
620	5900V09008E	FAN, G9232S06B2-AA DONGYANG 92*92*32 6V 1700RPM DC5-8V 0.34CFM 200MM
621	4810V01111A	BRACKET, DUCT DN-52SZ60D AB PC-ABS OUT
630	6871VSN221K	PWB(PCB) ASSEMBLY, SUB SUB NB05CA PRE-AMP DN-52SX40D
640	6316000009B	BALLAST, EUC-120P/11 PHILIPS REV 0.2 120W DLP PJT
641	4930V00432A	HOLDER, BRACKET BALLAST PS .
650	6871VSMADTA	PWB(PCB) ASSEMBLY, SUB CONT NB05CA COTROL DN-52SX40D
660	6871VSMAXA	PWB(PCB) ASSEMBLY, SUB LED NB05EB DU-62SX40D LED M/I
680	6871VSN220G	PWB(PCB) ASSEMBLY, SUB SUB MB042C SIDE AV RZ-44SZ80LB
681	3500V00118D	BOARD, ASSY 52SX4D-AA NB05CA SIDE A/V
690	6871VSME03S	PWB(PCB) ASSEMBLY, SUB SUB S.B MB05DB 62SX4R-AB AAULLSK CASE DET SW
700	6871VSME82A	PWB(PCB) ASSEMBLY, SUB INTER MB042A DN-44SZ80L
710	6871VPMA44F	PWB(PCB) ASSEMBLY, POWER SMPS MB-05DA RZ_44SZ84DB M/I
720	6871VSMW40F	PWB(PCB) ASSEMBLY, SUB SENSOR M.I NB03KA HD3 DLP 7SEGMENT COLOR WHEEL
722	3300V00420A	PLATE, LOCK AL . RT-52SZ60D HD3 PLATE UNAXIS C/W
723	4980V00B42E	SUPPORTER, AL C/W SUPPORTER(WITH HEAT SINK,MC,ADD 1.5MM)
724	5230V00028B	FILTER(MECH), DN-52SZ82D(HD3) UNAXIS NDF10 COLOR WHEEL
725	7254V000008	ADHESIVE, UNILOCK LOCK SCREW LOCK

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
IC					
IC1	0IMI623200B	M62320FP,I/O EXPANDER 16P SOP	IC700	0IMCRTI011B	2504886-0003(DDP1011)
IC1	0IPRPT0002A	TC7S14F(T5L,T) TOSHIBA 5P	IC701	0IMMRAL050B	AT49BV802AT-70TU ATMEL 48P/TSOP
IC100	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W	IC702	0IMCRFA003A	KA2903 FAIRCHILD 8SOP R/TP AMPLIFIER
IC1000	0IMI623200B	M62320FP,I/O EXPANDER 16P	IC705	0IMMRAL025A	AT24C32AN-10SI-2.7 ATMEL 8PIN
IC1001	0IMI623200B	M62320FP,I/O EXPANDER 16P	IC800	0IMMRSS053B	K4R271669F-TCS8
IC101	0IMCRSG010A	ST3232CDR SGS-THOMSON SOP16	IC801	0IMCRTI014A	CDCR83 TEXAS INSTRUMENT 24P
IC102	0IMCRTI003A	SN74HCT08D TEXAS INSTRUMENT 16P	IC802	0IMCRSG007A	74VIT125CTR SGS-THOMSON 5P
IC11	0IMCR02006A	FLI8125BB-LF GENESIS 208P/PQFP	IC803	0IMCRSG008A	74LX1G14CTR SGS-THOMSON 5P
IC1102	0IMMRSS037F	K4S643232H-UC60,LF	IC804	0IMCRSG008A	74LX1G14CTR SGS-THOMSON 5P
IC1103	0ICTM00021A	2505962-1003 TEXAS INSTRUMENT	IC805	0IMCRMX001A	MAX708SCSA MAXIM 8P SOP R/TP
IC12	0IMCRMN028B	MSP4410K MICRONAS 80P/PQFP	IC806	0IMCRSG008B	74LX1G07CTR SGS-THOMSON 5P
IC13	0IMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P SOIC	IC807	0IMCRMX001A	MAX708SCSA MAXIM 8P SOP
IC133	0IPMGON013B	MC34063ADR2G ON SEMI SO-8P	IC808	0IMCRSG008A	74LX1G14CTR SGS-THOMSON 5P
IC15	0IMCR02005A	FLI8532BD-LF GENESIS 416P/PBGA	IC810	0IMCRSK004A	SMA-E1017 SANKEN 3P TO220 ST
IC168	0IMCRKE006B	KIA278R33PI KEC TO-220IS 4P ST 3.3V	IC810	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SOT223
IC169	0IMCRKE003B	KIA78R12API KEC 4P TO-220IS ST 12V	IC830	0ISH817300B	PC817XF3 4D PHOTO COUPLER
IC170	0IMCRKE006A	KIA278R05PI KEC TO220IS,4P ST 2A	IC850	0ISH302122A	PQ30RV21 TO-220
IC176	0IPMGKE045A	KIA278R25PI 2.5V 2A KEC TO220IS 4P	IC851	0IMCRFA007A	KA431Z FAIRCHILD 3DIP,TO-92 TP
IC177	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/TP 1A,9V	IC870	0IMCRFA007A	KA431Z FAIRCHILD 3DIP,TO-92 TP
IC178	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SOT223	IC900	0IMCRTI012B	2503253-0003(DAD1000-3)
IC199	0IPRPS5005A	SII9011CLU(PB FREE) SILICON IMAGE	IC906	0ISTLON023B	NL17SZ126DFT2G ON SEMI 5P SC70-5
IC2	0IMCRSH003A	GP2S40 SHARP 4P DIP	IC907	0IMCRSG008A	74LX1G14CTR SGS-THOMSON 5P
IC20	0IMP242560A	24LC256-I/SM 8P,SOP TP 256K IIC	IC908	0IMCRSG008A	74LX1G14CTR SGS-THOMSON 5P
IC213	0IPMG00037A	KIA78D25F,LF KEC DPARK 3PIN	IC910	0IMCRSG007A	74VIT125CTR SGS-THOMSON 5P
IC214	0IPMG00027A	SC156515M-1.8TR SEMTECH	IC19	692790020AA	SOFT WARE, 3.02V 0000 MD PJT MB05DA
IC217	0IPRP00026A	STA515,LF SGS-THOMSON PSSO 36P	IC226	692790018AC	SOFT WARE, 5.00V 20AA MD PJT MB05DB
IC218	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VOLTAGE	IC58	692790014AC	SOFT WARE, 3.08V B745 MD PJT MB05DB
IC22	0IMP242560A	24LC256-I/SM 8P,SOP TP 256K IIC	TRANSISTOR		
IC220	0ILNR00015A	NSP-2100A,LF NEOFIDELITY TQFP 64P	Q1	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC225	0IMCRKE006A	KIA278R05PI KEC TO220IS,4P	Q10	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC228	0IFA754207A	KA75420ZTA(KA7542ZTA) 3P,TO-92	Q10	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC230	0IMCRAL006A	AT24C16AN-10SU-2.7,LF ATMEL 8P	Q100	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC233	0ISA721700C	LA7217M MFP14 TP SYNC SEPARATOR	Q101	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC234	0IMCRTI003A	SN74HCT08D TEXAS INSTRUMENT 16P	Q102	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC236	0IMCRTI003A	SN74HCT08D TEXAS INSTRUMENT 16P	Q103	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC401	0IMCRAG001A	A8904SLP ALLEGRO MICRO SYSTEMS	Q104	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC402	0IPMGON013B	MC34063ADR2G ON SEMI SO-8P	Q105	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC403	0IPRP00539A	DAC0800LCM	Q106	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC404	0ILNR00038A	TCA0372DM2ELG,LF ON SEMI SOEIAJ 16P	Q107	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC412	0ILNRON009B	NL17SZ08DFT2G ON SEMI SOT-353/5PIN	Q108	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC413	0IPMGKE031A	KIA78R33F KEC 5PIN DPAK	Q109	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC500	0IMCRTH003B	THC63LVD104A,PB FREE(F)	Q11	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC501	0ICTM00019A	2505999-0002 TEXAS INSTRUMENT	Q11	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC502	0IZZVG0001A	X1272-6403 TEXAS INSTRUMENTS	Q110	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC503	0IPMGSG018C	LD1086DT15TR SGS-THOMSON 2P	Q111	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC511	0IMCRSG008A	74LX1G14CTR SGS-THOMSON 5P	Q112	0TR101009AD	CHIP KRA101S SOT-23 TP KEC
IC511	0ISTLON023B	NL17SZ126DFT2G ON SEMI 5P SC70-5	Q113	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC59	0IMMR00002A	K4D261638F-LC50,LF	Q12	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC60	0IMMR00002A	K4D261638F-LC50,LF	Q12	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC

LOCA. NO	PART NO	DESCRIPTION
Q121	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q122	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q123	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q13	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q13	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q14	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q15	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q16	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q18	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q19	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q2	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q20	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q21	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q22	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q3	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q4	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q5	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q501	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
Q502	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
Q6	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q7	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q8	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q801	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q801	0TFSG10004A	STW20NK50Z SGS-T(STM) ST TO-247
Q802	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q830	0TFSG10003A	STW8NK80Z SGS-T(STM) ST TO-247
Q832	0TR437000BA	KTC4370A-Y TO-220IS BK KEC
Q840	0TR437000BA	KTC4370A-Y TO-220IS BK KEC
Q852	0TR945009AA	KSC945C-Y TP TO92 NPN EPI. SILICON
Q871	0TR102409AB	KTA TP KEC TO92 1024-Y(KTA949)
Q872	0TR322709AA	KTC3227 TP KEYC, (KTC1627A)
Q9	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC

DIODE

D105	0DS113379BA	1SS133 T-72 TP DO34 90V
D106	0DS113379BA	1SS133 T-72 TP DO34 90V
D15	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D16	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D18	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D189	0DRDI00148A	B140A DIODES R/TP SMA 40V 1A 30A
D19	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D191	0DD184009AA	KDS184 TP KEC - 85V - 300MA
D195	0DS113379BA	1SS133 T-72 TP DO34 90V
D196	0DS113379BA	1SS133 T-72 TP DO34 90V
D197	0DS113379BA	1SS133 T-72 TP DO34 90V
D198	0DS113379BA	1SS133 T-72 TP DO34 90V
D199	0DS113379BA	1SS133 T-72 TP DO34 90V
D200	0DS113379BA	1SS133 T-72 TP DO34 90V
D201	0DS113379BA	1SS133 T-72 TP DO34 90V
D202	0DS113379BA	1SS133 T-72 TP DO34 90V

LOCA. NO	PART NO	DESCRIPTION
D203	0DS113379BA	1SS133 T-72 TP DO34 90V
D206	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D207	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D21	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D22	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D23	0DS226009AA	KDS226 TP KEC - 80V 4NSEC 0.5UA
D24	0DRSE00038A	SDC15 TVS DIODE ARRAY SEMTECH
D25	0DRSE00038A	SDC15 TVS DIODE ARRAY SEMTECH
D26	0DRSE00038A	SDC15 TVS DIODE ARRAY SEMTECH
D27	0DRSE00038A	SDC15 TVS DIODE ARRAY SEMTECH
D401	0DRDI00148A	B140A DIODES R/TP SMA 40V 1A 30A
D611	0DZ848209AA	BZX84C8V2 TP G.I SOT23 0.35W 8.2V
D801	0DRSD00050B	D25XB60-4000 SHINDENGEN BK D-PAK
D831	0DD100009AU	EU1AV(1) TP SANKEN TP SANKEN
D831	0DD200009AF	RU2M V(1) TP SANKEN R-TMD 400V
D832	0DD100009AU	EU1AV(1) TP SANKEN TP SANKEN
D834	0DR010009AA	EG01C TP SANKEN - 1000V 0.5A 10A
D835	0DD414809ED	1N4148 TP GRANDE
D840	0DD414809ED	1N4148 TP GRANDE
D851	0DD220000AC	FML-G22S SANKEN BK TO220 200V
D861	0DD220000AC	FML-G22S SANKEN BK TO220 200V
D871	0DRSD00091A	SF20JC10 SHINDENGEN ST FTO220(4115)
D881	0DD220000AC	FML-G22S SANKEN BK TO220 200V
D891	0DRSA00170A	FML-G14S SANKEN BK TO220 400V
D909	0DRGS00328A	SS26 DO-214AC 60V 2A 75A .SEC 10MA
D910	0DRGS00328A	SS26 DO-214AC 60V 2A 75A .SEC 10MA
D912	0DRON00088A	BAT54SWT1 60V 3A 4A .SEC .A
D913	0DRON00088A	BAT54SWT1 60V 3A 4A .SEC .A
D914	0DRON00088A	BAT54SWT1 60V 3A 4A .SEC .A
D915	0DRON00088A	BAT54SWT1 60V 3A 4A .SEC .A
Q801	0DR360000AA	FMG-36S BK SANKEN - 2.2V 100NSEC
ZD1	0DZ560009CF	MTZJ5.6B DO34 0.5W 5.6V 5UA
ZD1	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
ZD10	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
ZD100	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA
ZD101	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA
ZD102	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA
ZD103	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA
ZD110	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA
ZD111	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA
ZD2	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
ZD3	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
ZD4	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
ZD5	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
ZD6	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
ZD839	0DZ300009BB	MTZJ30B DO34 0.5W 30V 5UA
ZD9	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
IC1003	6301V00003B	LED ASSEMBLY, UEX-LD-055 UGCOM

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic	RD : Carbon Film
	CQ : Polyester	RS : Metal Oxide Film
	CE : Electrolytic	RN : Metal Film
		RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
CAPACITOR		
C1	0CE476DF618	47UF STD 16V M FL TP5
C1002	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C1037	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1038	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1044	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1065	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1100	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C1101	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1102	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1103	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1104	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1105	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1106	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1107	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1108	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1109	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1110	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1111	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1112	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1113	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1114	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1115	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1116	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1120	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1121	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1122	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1123	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1124	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1125	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1126	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1126	0CE227BJ618	220UF KME TYPE 35V 20% FL TP 5
C1127	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1127	0CK105EK56A	1UF 3216 50V 10% X7R R/TP
C1128	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1129	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1130	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1131	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1132	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1133	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1134	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1135	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1136	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1137	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1138	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1139	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1140	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1141	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1142	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R

LOCA. NO	PART NO	DESCRIPTION
C1143	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1144	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1145	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1146	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1147	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1148	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1149	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1150	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1151	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1152	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1153	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1154	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1155	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1156	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1157	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1158	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1159	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1160	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
C1161	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
C1161	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C1162	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
C1163	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
C1163	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C1164	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1165	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1166	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1167	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1168	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1169	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1170	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1171	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1172	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1173	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1174	0CE227BJ618	220UF KME TYPE 35V 20% FL TP 5
C1174	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C1175	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1178	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1182	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1189	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C1191	0CK105EK56A	1UF 3216 50V 10% X7R R/TP
C1192	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1196	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1199	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C1200	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1202	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1203	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1204	0CE107VH6DC	100UF MV 25V 20% R/TP(SMD) SMD
C1210	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1216	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1228	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP

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LOCA. NO	PART NO	DESCRIPTION
C1229	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1232	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1235	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1236	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1237	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1248	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1249	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1250	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1251	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C150	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C151	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C152	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C153	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C154	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C155	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C156	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C157	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C158	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C159	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C160	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C161	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C172	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C180	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C189	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C2	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C2	0CN1030F679	10000PF D 16V 20% X5R TA52
C209	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C211	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C215	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C241	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C242	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C259	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C276	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C3	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C3	0CN1010K519	100PF D 50V 10% B(Y5P) TA52
C311	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C321	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C38	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C39	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C4	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C4	0CN1010K519	100PF D 50V 10% B(Y5P) TA52
C40	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C400	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
C402	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C403	0CC221CK41A	220PF 1608 50V 5% R/TP NP0
C404	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C405	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C406	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C406	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C407	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R

LOCA. NO	PART NO	DESCRIPTION
C408	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C409	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C41	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C410	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C411	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C412	0CK105CD56A	1UF 1608 10V 10% R/TP X7R
C413	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C414	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C415	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C416	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C417	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C418	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C418	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C42	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C420	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
C422	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C423	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C426	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C43	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C43	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C434	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C435	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C44	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C44	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C440	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C441	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C443	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C445	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C446	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C447	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C448	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C449	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C450	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C452	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C454	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C455	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C456	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C48	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C48	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C481	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C482	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C49	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C50	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C51	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C51	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C511	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C515	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C517	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C519	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C52	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP

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	CE : Electrolytic	RN : Metal Film
		RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C523	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C526	0CE336SH6DC	33UF MVG 25V 20% SMD R/TP
C527	0CE336SH6DC	33UF MVG 25V 20% SMD R/TP
C528	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C529	0CE336SH6DC	33UF MVG 25V 20% SMD R/TP
C53	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C530	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C531	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C531	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C532	0CE336SH6DC	33UF MVG 25V 20% SMD R/TP
C533	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C535	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C54	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C54	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C55	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C554	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C555	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C556	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C557	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C56	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C56	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C569	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C57	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C575	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C576	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C58	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C580	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C590	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C598	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C600	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C601	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C602	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C603	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C604	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C605	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C606	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C607	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C608	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C609	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C61	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C610	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C611	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C612	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C613	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C614	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C615	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C616	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C617	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C618	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C619	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R

LOCA. NO	PART NO	DESCRIPTION
C620	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C621	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C622	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C623	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C624	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C625	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C626	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C627	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C628	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C629	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C630	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C631	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C632	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C633	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C634	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C635	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C636	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C637	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C638	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C639	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C640	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C641	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C642	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C643	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C644	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C645	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C646	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C647	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C648	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C649	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C65	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C650	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
C651	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
C652	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
C653	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
C654	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C655	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C66	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C700	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C701	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C702	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C704	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C706	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C707	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C709	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C710	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C711	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C712	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C713	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C714	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R

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LOCA. NO	PART NO	DESCRIPTION
C715	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C716	0CE336SH6DC	33UF MVG 25V 20% SMD R/TP
C717	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C718	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C719	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C72	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C720	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C721	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C722	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C723	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C724	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C725	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C726	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C727	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C728	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C728	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C729	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C730	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C731	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C732	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C733	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C734	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C735	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C736	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C737	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C738	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C739	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C740	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C741	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C742	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C743	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C744	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C745	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C746	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C747	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C748	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C749	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C750	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C751	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C752	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C753	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C754	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C755	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C756	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C757	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C758	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C759	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C760	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C761	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C762	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R

LOCA. NO	PART NO	DESCRIPTION
C763	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C764	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C765	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C766	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C767	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C768	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C769	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C770	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C771	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C772	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C772	0CE107VH6DC	100UF MV 25V 20% R/TP(SMD) SMD
C773	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C774	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C775	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C775	0CE476DK618	47UF STD 50V M FL TP5
C776	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C777	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C778	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C779	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C780	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C783	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C784	0CE336SH6DC	33UF MVG 25V 20% SMD R/TP
C800	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C801	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C801	181-091K	DEHR33D561KN3A 560PF 2KV 10%
C801	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C802	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C803	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C803	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C804	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C805	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C805	0CF1050W470	1UF 0 500V 5% BULK M/PP NI
C806	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C806	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C807	0CK10202510	1000PF D 2KV 10% B(Y5P) R
C807	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C808	0CK10202510	1000PF D 2KV 10% B(Y5P) R
C808	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
C809	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
C810	0CK1030K945	0.01UF D 50V 80%,-20% F(Y5V) TR
C810	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C811	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C811	0CK4730K945	0.047UF D 50V 80%,-20% F(Y5V) TR
C812	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF
C812	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C813	0CK1010K515	100PF D 50V 10% B(Y5P) TR
C813	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
C814	0CK4710K515	470PF D 50V 10% B(Y5P) TR
C814	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
C815	0CK1010K515	100PF D 50V 10% B(Y5P) TR

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	CQ : Polyester	RS : Metal Oxide Film
	CE : Electrolytic	RN : Metal Film
		RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C815	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C816	0CK1020K515	1000PF D 50V 10% B(Y5P) TR
C816	0CC100CK11A	10PF 1608 50V 0.5 PF R/TP NP0
C817	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C818	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C819	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
C820	181-001K	CE 450V 220UF M LUG(105)
C820	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C821	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C822	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C823	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C824	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C825	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C826	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C827	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C828	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
C829	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C830	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C831	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C831	0CE476BK618	47UF KME TYPE 50V 20% FL TP 5
C832	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C832	0CE107BJ618	100UF KME TYPE 35V 20% FL TP 5
C833	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C833	0CC1000K115	10PF D 50V 0.5 PF NP0 TR
C834	0CK1040K945	0.1UF D 50V 80%,-20% F(Y5V) TR
C834	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C835	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C836	181-011B	0.001UF D 1.6KV J M/PP NI FM20
C836	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C837	181-091N	SL 100PF 1KV 10%,-10% R/TP TP5
C837	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C838	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C839	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C840	0CK1040K945	0.1UF D 50V 80%,-20% F(Y5V) TR
C840	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C841	0CK1040K945	0.1UF D 50V 80%,-20% F(Y5V) TR
C841	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C842	0CK1040K945	0.1UF D 50V 80%,-20% F(Y5V) TR
C842	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C843	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C843	0CE476BK618	47UF KME TYPE 50V 20% FL TP 5
C844	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C844	0CE476BK618	47UF KME TYPE 50V 20% FL TP 5
C845	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C846	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C847	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C851	0CE108DH618	1000UF STD 25V M FL TP5
C852	0CE227DH618	220UF STD 25V M FL TP5
C853	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C857	0CE105BK618	1UF KME 50V M FL TP5

LOCA. NO	PART NO	DESCRIPTION
C861	0CE338EF618	3300UF KMG,RD 16V 20% FL TP 5
C862	0CE477DF618	470UF STD 16V 20% FL TP 5
C863	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C866	181-091N	SL 100PF 1KV 10%,-10% R/TP TP5
C867	181-091N	SL 100PF 1KV 10%,-10% R/TP TP5
C868	181-091N	SL 100PF 1KV 10%,-10% R/TP TP5
C869	181-091N	SL 100PF 1KV 10%,-10% R/TP TP5
C869	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C870	0CK1040K945	0.1UF D 50V 80%,-20% F(Y5V) TR
C871	0CE478EHK50	4700UF KMG,RD 25V 20%,-20% FM7.5
C872	0CE477BF618	470UF KME TYPE 16V 20% FL TP 5
C872	0CE477DF618	470UF STD 16V 20% FL TP 5
C873	181-091N	SL 100PF 1KV 10%,-10% R/TP TP5
C874	0CE475BK618	4.7UF KME TYPE 50V 20% FL TP 5
C88	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C881	0CE338EF618	3300UF KMG,RD 16V 20% FL TP 5
C882	0CE477DF618	470UF STD 16V 20% FL TP 5
C883	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C891	0CE228EK650	2200UF KMG 50V 20% FM7.5 BULK
C892	0CE2276K618	220UF SMS,SG 50V 20% FL TP 5
C893	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C894	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C898	181-120L	3300PF 4KV M E FMTW LEAD4.5
C899	181-035U	DE1B3KX471KA5B 470PF 250V 10%
C899	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C901	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C902	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C904	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C904	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C905	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C906	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C907	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C907	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C908	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C909	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C909	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C91	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C910	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C911	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C912	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C912	0CN106FF66A	10UF 3225 16V 20% R/TP X7R
C913	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C914	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C914	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C915	0CN106KH67A	10UF 4532 25V 20% R/TP X5R
C917	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C919	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C919	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C92	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C92	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP

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LOCA. NO	PART NO	DESCRIPTION
C920	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C921	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C922	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C923	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C938	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C942	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C943	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C944	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C947	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C947	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C949	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C950	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C951	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C952	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C957	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C958	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C959	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C96	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C960	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C963	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C964	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C965	0CK272CK46A	2700PF 1608 50V 5% X7R R/TP
C966	0CK472CK56A	4700PF 1608 50V 10% R/TP X7R
C967	0CK272CK46A	2700PF 1608 50V 5% X7R R/TP
C968	0CK224DH56A	0.22UF 2012 25V 10% R/TP X7R
C969	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C97	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C970	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C971	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
C972	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
C973	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
C974	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C975	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C976	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C977	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C978	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C979	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C980	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C981	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C981	0CN475ED66A	4.7UF 3216 10V 20% R/TP X7R
C982	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C982	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C983	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C984	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C985	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C988	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP
C989	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C990	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C999	0CE227SC6DC	220UF MVG 6.3V 20% SMD R/TP

LOCA. NO	PART NO	DESCRIPTION
COIL & INDUCTOR & TRANSFORMER		
L183	6140VB0023A	SB7032-751 GET 750UH 118TURNS
L215	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L217	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L220	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L222	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L403	6140VR0009A	SP7835-331 GET 1UEW 0.15PIE 330UH
L861	150-C02F	82UH PHY TURN
L871	150-C02V	CHOKE 10UH R 1318
L881	150-C02F	82UH PHY TURN
L891	150-C02F	82UH PHY TURN
L891	150-C02V	CHOKE 10UH R 1318
L903	6140VR0007A	DT1608C-223 COILCRAFT
L904	6140VR0007A	DT1608C-223 COILCRAFT
J4	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
J5	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
L1	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
T801	6170VMCA06P	TRANSFORMER,SMPS[COIL]EER4220
T830	6170VMCB131	TRANSFORMER,SMPS[COIL]EER4215
CONNECTOR & WAFER		
C1	366-036B	STAPLE
C2	387-907L	1P 700MM R-H UL1617AWG22
C3	387-G03L	3P GIL-G TO GIL-G(700)
C4	387-G03Q	3P 2.5MM 1200MM H-H UL1007AWG26
C5	387-G04L	4P 2.5MM 700MM H-H UL1007AWG26
C6	387-G04M	4P GIL-G TO GIL-G(800)
C7	387-G06M	6P 2.5MM 800MM H-H UL1007AWG26
C8	387-G07M	7P 2.5MM 800MM H-H UL1007AWG26
C9	387-G10L	10P GIL-G TO GIL-G(700)
C10	387-G12L	12P 2.5MM 700MM H-H UL1007AWG26
C11	387-J12M	12P 2.5MM 800MM H-H UL1185AWG26
C12	6631V00015B	2P 8.0MM 400MM H-W UL1617 AWG22
C13	6631V00030G	8P SPECIAL 400MM H-H UL1061 AWG26
C14	6631V12044G	7P 1.25MM 400MM H-H UL2851AWG28-6C
C15	6631V12046L	5P 1.25MM 700MM H-H UL2851AWG28-5C
C16	6631V20033M	3P 2.0MM 800MM H-H UL1061 AWG26
C17	6631V20046J	8P 2.0MM 500MM H-H UL2464AWG24-7C
C18	6631V23002M	2P 10.0MM 800MM H-H UL1617 AWG22
C19	6631V25051P	4P 2.5MM 1000MM H-H UL1007 AWG26
C20	6631V25169A	3P 2.5MM 1300MM H-T UL1007AWG26
C21	6631V25170A	4P 2.5MM 1300MM H-T UL1007AWG26
C22	6631V39009M	3P 3.96MM 800MM H-H UL1617 AWG22
C23	6631V80003K	3P 8.0MM 600MM H-H UL1617 AWG22
C24	6631V80004P	3P 8.0MM 1000MM H-H UL1617 AWG22
JA106	6630G70016A	A03-7071-094 SPG 15P 2.29MM
JA108	6630G70017A	A02-0915-101 SPG 9P 2.54MM
P005	366-169B	WAFER 2MM,3PIN,GIL-S
P005B	366-169B	WAFER 2MM,3PIN,GIL-S

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	CQ : Polyester	RS : Metal Oxide Film
	CE : Electrolytic	RN : Metal Film
		RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
P06	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P1	6630VF01608	53398-0890 MOLEX 8P 1.25MM
P1001A	366-169G	2.0MM 8P GIL-S LG CABLE S
P1100	6630VF01610	53398-1090 MOLEX 10P 1.25MM
P111B	6630B00075A	SW-1166M-40P SAMWON 40P 2.54MM
P112B	6630B00075A	SW-1166M-40P SAMWON 40P 2.54MM
P113B	6630B00075A	SW-1166M-40P SAMWON 40P 2.54MM
P121	366-932E	GIL-G-06P LGC 6PIN 2.54MM STICK
P122	366-921J	GIL-G-10P LGC 10PIN 2.54MM STICK
P124	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P125	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P127	6602V12001A	1.25MM 2P 53261-0290 J-MOLEX
P129	366-932C	IL-G-04P LGC 2.5MM S/T STICK
P130	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P131	366-932C	IL-G-04P LGC 2.5MM S/T STICK
P132	366-921L	GIL-G-12P LGC 12PIN 2.54MM STICK
P134	366-921L	GIL-G-12P LGC 12PIN 2.54MM STICK
P135	6602T20008G	SMW200-08 YEONHO 8P 2.0MM
P136	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P139	6630G70018A	AVI-40245-29B3 SPG 29P 1.91MM
P141A	6630B00074A	SW-1166SDIG-40P SAMWON 40P
P141B	6630B00075A	SW-1166M-40P SAMWON 40P 2.54MM
P142A	6630B00074A	SW-1166SDIG-40P SAMWON 40P
P142B	6630B00075A	SW-1166M-40P SAMWON 40P 2.54MM
P2	6630VE00204	10003HR-04 YEONHO 4P 1.0MM FPC
P3	6602V12001F	1.25MM 7PINP 5361-0790 JPN-MOLEX
P502B	6630VK19608	20037WR YEONHO 8P 2.0MM ANGEL
P5A	366-921J	GIL-G-10P LGC 10PIN 2.54MM STICK
P601B	366-921L	GIL-G-12P LGC 12PIN 2.54MM STICK
P603	6630BX05007	53261-0590 MOLEX 5PIN 1.25MM
P604	6602V12001F	1.25MM 7PINP 5361-0790 JPN-MOLEX
P605	6602V12001A	1.25MM 2P 53261-0290 J-MOLEX
P701A	366-921B	GIL-G-03P LGC 3PIN 2.54MM STICK
P701B	366-921B	GIL-G-03P LGC 3PIN 2.54MM STICK
P702A	366-921C	IL-G-04 LGC 2.5MM S/T
P702B	366-921C	IL-G-04 LGC 2.5MM S/T
P800A	366-009D	2.36PAI 1P . K/M AUTO
P801A	366-009D	2.36PAI 1P . K/M AUTO
P801B	366-009D	2.36PAI 1P . K/M AUTO
P801C	366-009D	2.36PAI 1P . K/M AUTO
P802A	366-009D	2.36PAI 1P . K/M AUTO
P802B	366-009D	2.36PAI 1P . K/M AUTO
P803A	366-009D	2.36PAI 1P . K/M AUTO
P803B	366-009D	2.36PAI 1P . K/M AUTO
P804	366-009D	2.36PAI 1P . K/M AUTO
P805A	366-009D	2.36PAI 1P . K/M AUTO
P805B	366-009D	2.36PAI 1P . K/M AUTO
P805C	366-009D	2.36PAI 1P . K/M AUTO
P806A	366-009D	2.36PAI 1P . K/M AUTO
P806A	366-009D	2.36PAI 1P . K/M AUTO

LOCA. NO	PART NO	DESCRIPTION
P806B	366-009D	2.36PAI 1P . K/M AUTO
P806B	366-009D	2.36PAI 1P . K/M AUTO
P807A	366-009D	2.36PAI 1P . K/M AUTO
P807B	366-009D	2.36PAI 1P . K/M AUTO
P807C	366-009D	2.36PAI 1P . K/M AUTO
P808A	366-009D	2.36PAI 1P . K/M AUTO
P808B	366-009D	2.36PAI 1P . K/M AUTO
P820	6602V39002A	3.96MM 2P YW396-03AV
P821A	366-921L	GIL-G-12P LGC 12PIN 2.54MM STICK
P822A	366-932C	IL-G-04P LGC 2.5MM S/T STICK
P841	366-932E	GIL-G-06P LGC 6PIN 2.54MM STICK
P8A	366-932G	IL-G-08P LGC 2.5MM S/T STICK
P1000	366-922F	WAFER, IL-G-07P LGC 2.5MM R/A
P1000A	366-921F	WAFER, IL-G-07 LGC 2.5mm S/T
RESISTOR		
AR100	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR101	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR113	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR114	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR115	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR116	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR598	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
F861	180-D02Y	0.045 OHM 1/2 W 10% TA52 (MFR)
F891	180-D02Y	0.045 OHM 1/2 W 10% TA52 (MFR)
F891	0RP0020J809	0.02 OHM 1 W 20% TA52
FB882	180-D02Y	0.045 OHM 1/2 W 10% TA52 (MFR)
R1	ORD0752F609	75 OHM 1/6 W 5.00% TA52
R2	ORD4703F609	470K OHM 1/6 W 5.00% TA52
R3	ORD4703F609	470K OHM 1/6 W 5.00% TA52
R4	ORD0752F609	75 OHM 1/6 W 5.00% TA52
R5	ORD0752F609	75 OHM 1/6 W 5.00% TA52
R801	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R810	ORD2204F609	2.2M OHM 1/6 W 5.00% TA52
R811	ORD2204F609	2.2M OHM 1/6 W 5.00% TA52
R812	ORD3302F609	33K OHM 1/6 W 5% TA52
R813	ORD1002F609	10K OHM 1/6 W 5% TA52
R814	0RN5603G409	560K OHM 1/4 W 1.00% TA52
R815	0RN5103G409	510K OHM 1/4 W 1% TA52
R816	0RN5103G409	510K OHM 1/4 W 1% TA52
R817	0RN5103G409	510K OHM 1/4 W 1% TA52
R818	ORD2202F609	22K OHM 1/6 W 5% TA52
R819	ORD5602F609	56K OHM 1/6 W 5% TA52
R820	ORD0102F609	10 OHM 1/6 W 5% TA52
R821	ORD1003F609	100K OHM 1/6 W 5% TA52
R823	180-A01P	0.13 OHM 2 W 5% TA62 RWR
R824	ORD2202F609	22K OHM 1/6 W 5% TA52
R831	ORD0272A609	27 OHM 1/2 W(7.0) 5.00% TA52
R832	ORD6802F609	68K OHM 1/6 W 5.00% TA52
R833	ORD6801F609	6.8K OHM 1/6 W 5.00% TA52

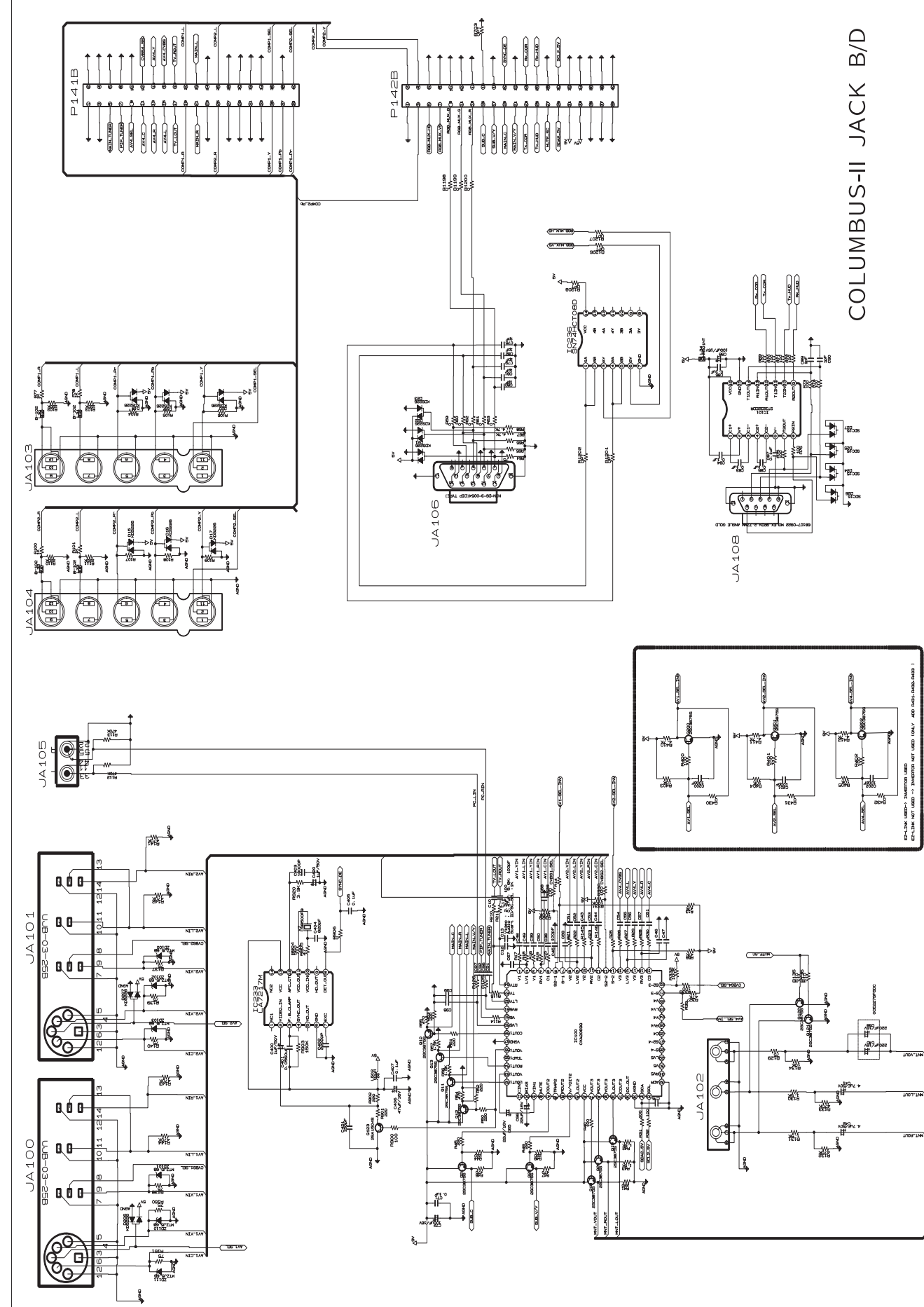
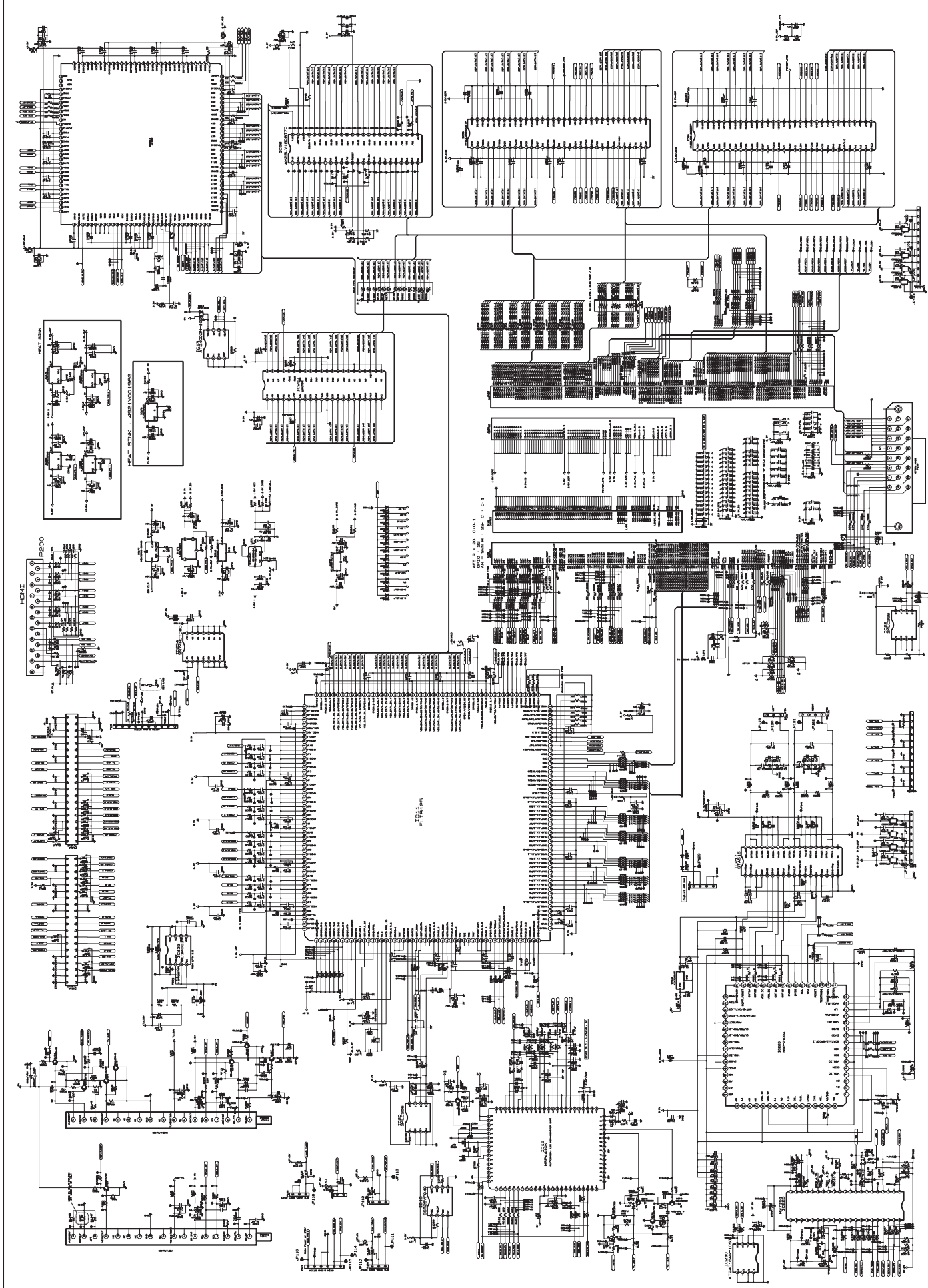
For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible
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LOCA. NO	PART NO	DESCRIPTION
R834	0RD1000F609	100 OHM 1/6 W 5% TA52
R835	0RD0152F609	15 OHM 1/6 W 5.00% TA52
R836	0RD1001F609	1K OHM 1/6 W 5% TA52
R837	180-A01M	0.22 OHM 2 W 5% TA62 RW ROUND
R838	0RD4300F609	430 OHM 1/6 W 5.00% TA52
R839	0RD3001F609	3K OHM 1/6 W 5.00% TA52
R840	0RD1000F609	100 OHM 1/6 W 5% TA52
R841	0RS1003K607	100K OHM 2 W 5.00% TA62
R842	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R843	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R844	0RD4702F609	47K OHM 1/6 W 5% TA52
R845	0RD0302F609	30 OHM 1/6 W 5.00% TA52
R850	0RN3303G409	330K OHM 1/4 W 1.00% TA52
R851	0RD2001F609	2K OHM 1/6 W 5% TA52
R852	0RD1302F609	13K OHM 1/6 W 5.00% TA52
R853	0RD1000F609	100 OHM 1/6 W 5% TA52
R853	0RD3000F609	300 OHM 1/6 W 5.00% TA52
R854	0RD4301F609	4.3K OHM 1/6 W 5.00% TA52
R854	0RN5101F609	5.1K OHM 1/6 W 5.00% TA52
R855	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R856	0RD5600F609	560 OHM 1/6 W 5% TA52
R857	0RD5100F609	510 OHM 1/6 W 5.00% TA52
R865	0RD3601F609	3.6K OHM 1/6 W 5.00% TA52
R866	0RD3901F609	3.9K OHM 1/6 W 5% TA52
R867	0RD5100F609	510 OHM 1/6 W 5.00% TA52
R868	0RD1001F609	1K OHM 1/6 W 5% TA52
R868	0RN2201F409	2.2K OHM 1/6 W 1.00% TA52
R869	0RD2401F609	2.4K OHM 1/6 W 5.00% TA52
R872	0RN3303G409	330K OHM 1/4 W 1.00% TA52
R873	0RD2703G609	270K OHM 1/4 W 5.00% TA52
R874	0RN5101F609	5.1K OHM 1/6 W 5.00% TA52
R875	0RD1002F609	10K OHM 1/6 W 5% TA52
R876	0RD1001F609	1K OHM 1/6 W 5% TA52
R877	0RD0391F609	3.9 OHM 1/6 W 5.00% TA52
R891	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R892	0RS1001K607	1K OHM 2 W 5.00% TA62
R893	0RS1001K607	1K OHM 2 W 5.00% TA62
R894	0RD1001F609	1K OHM 1/6 W 5% TA52
R895	0RN9101F409	9.1K OHM 1/6 W 1.00% TA52
R896	0RD2401F609	2.4K OHM 1/6 W 5.00% TA52
R897	0RD1001F609	1K OHM 1/6 W 5% TA52
R898	0RKZVTA001D	10M OHM 1/2 W 5% TA52 UL PILKOR
R899	0RD0271A609	2.7 OHM 1/2 W(7.0) 5.00% TA52
SWITCH		
SW01	140-275E	PUSH, SPBS222EP011 POSTEC DC50V
SW1	140-315F	TACT, 4LEAD EVQPC605K
SW2	140-315F	TACT, 4LEAD EVQPC605K
SW3	140-315F	TACT, 4LEAD EVQPC605K
SW4	140-315F	TACT, 4LEAD EVQPC605K

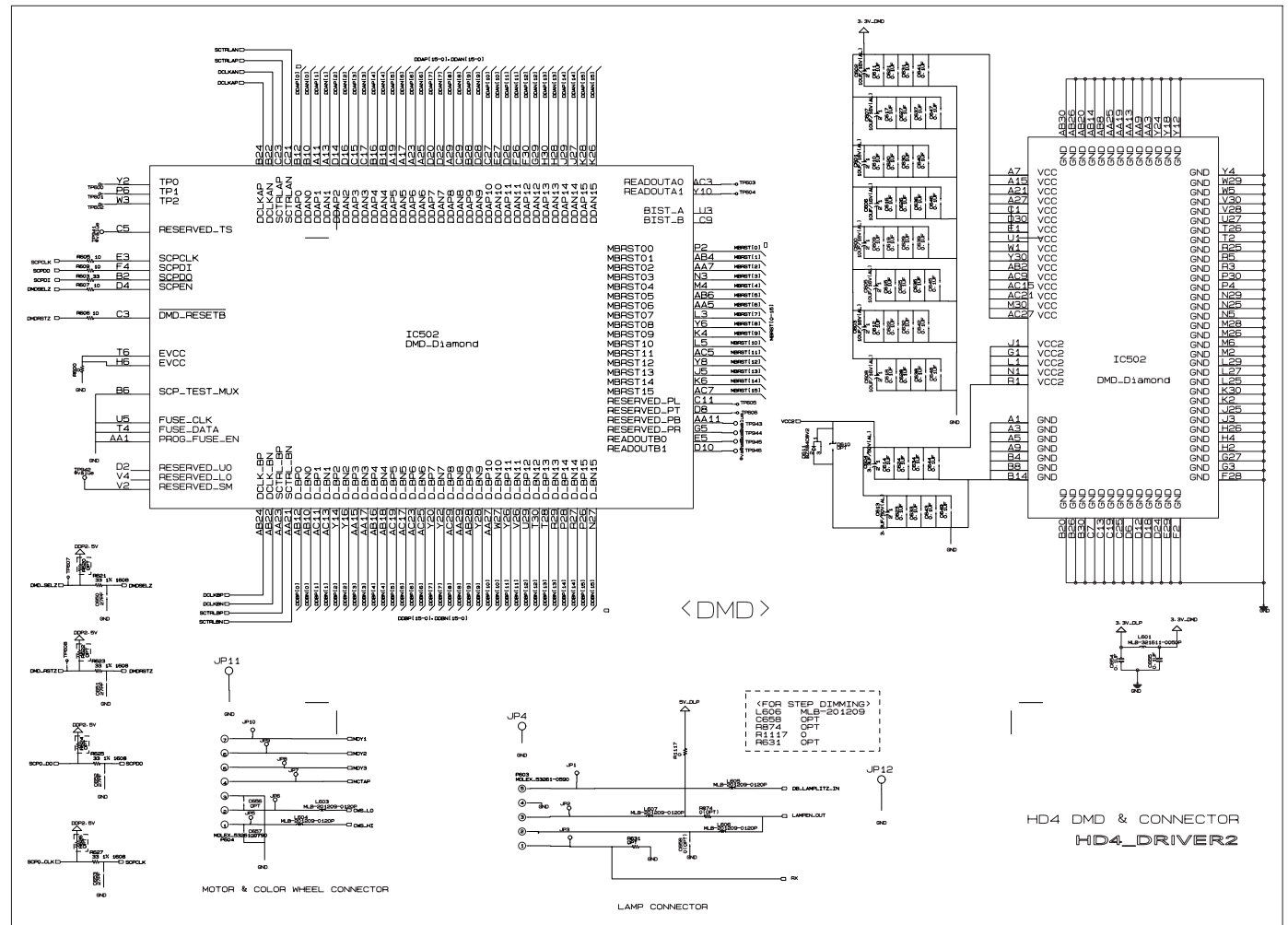
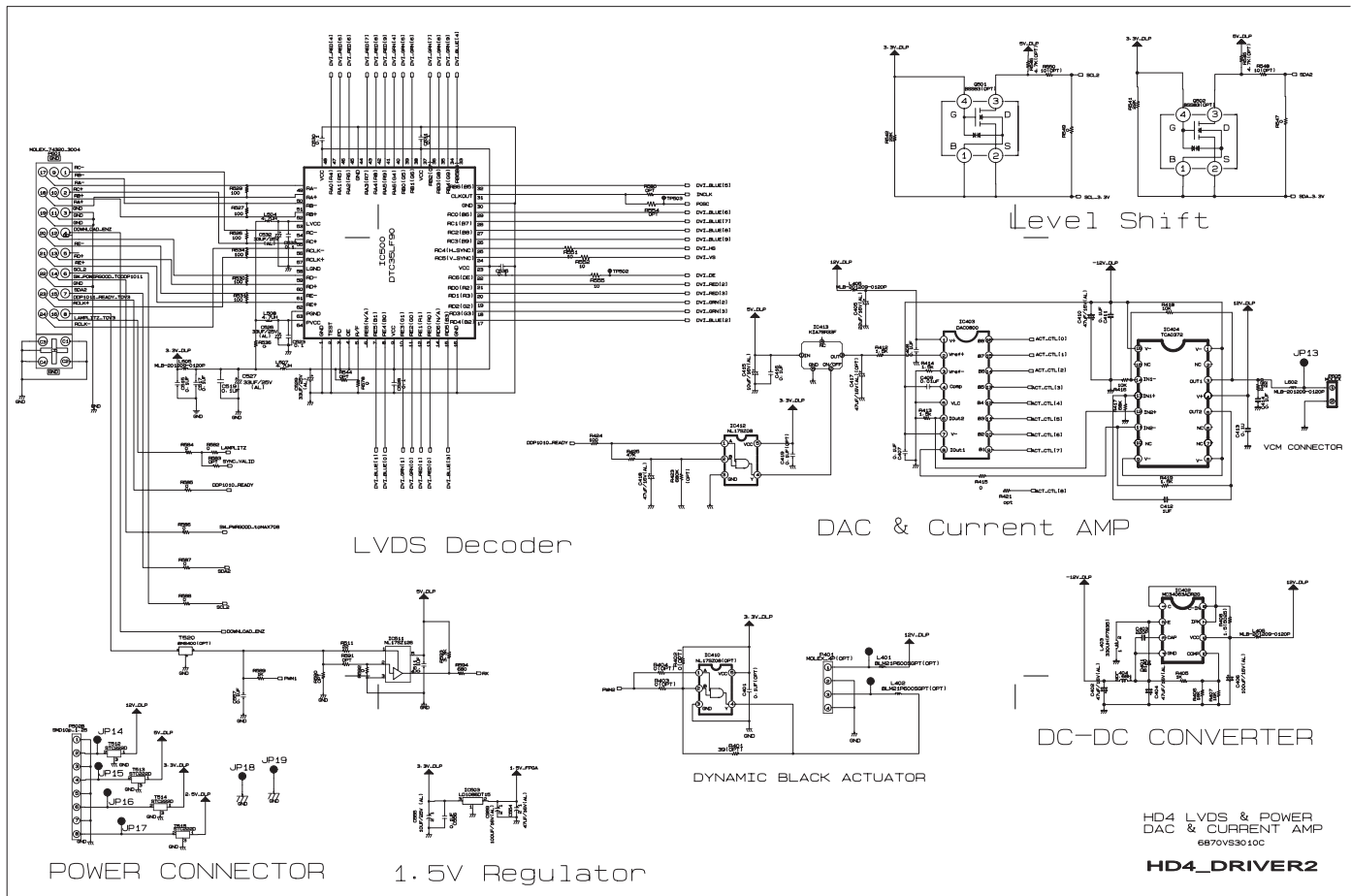
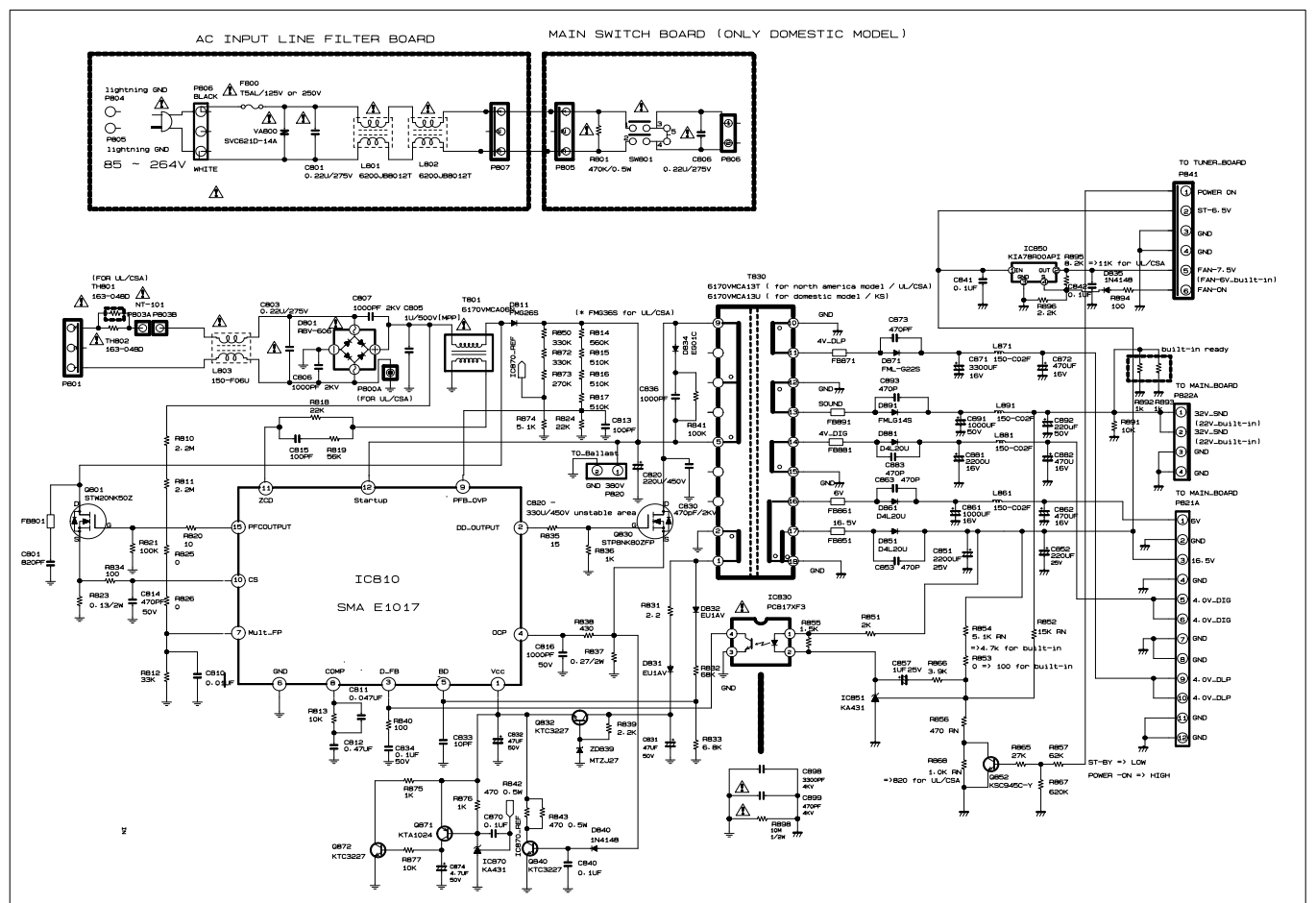
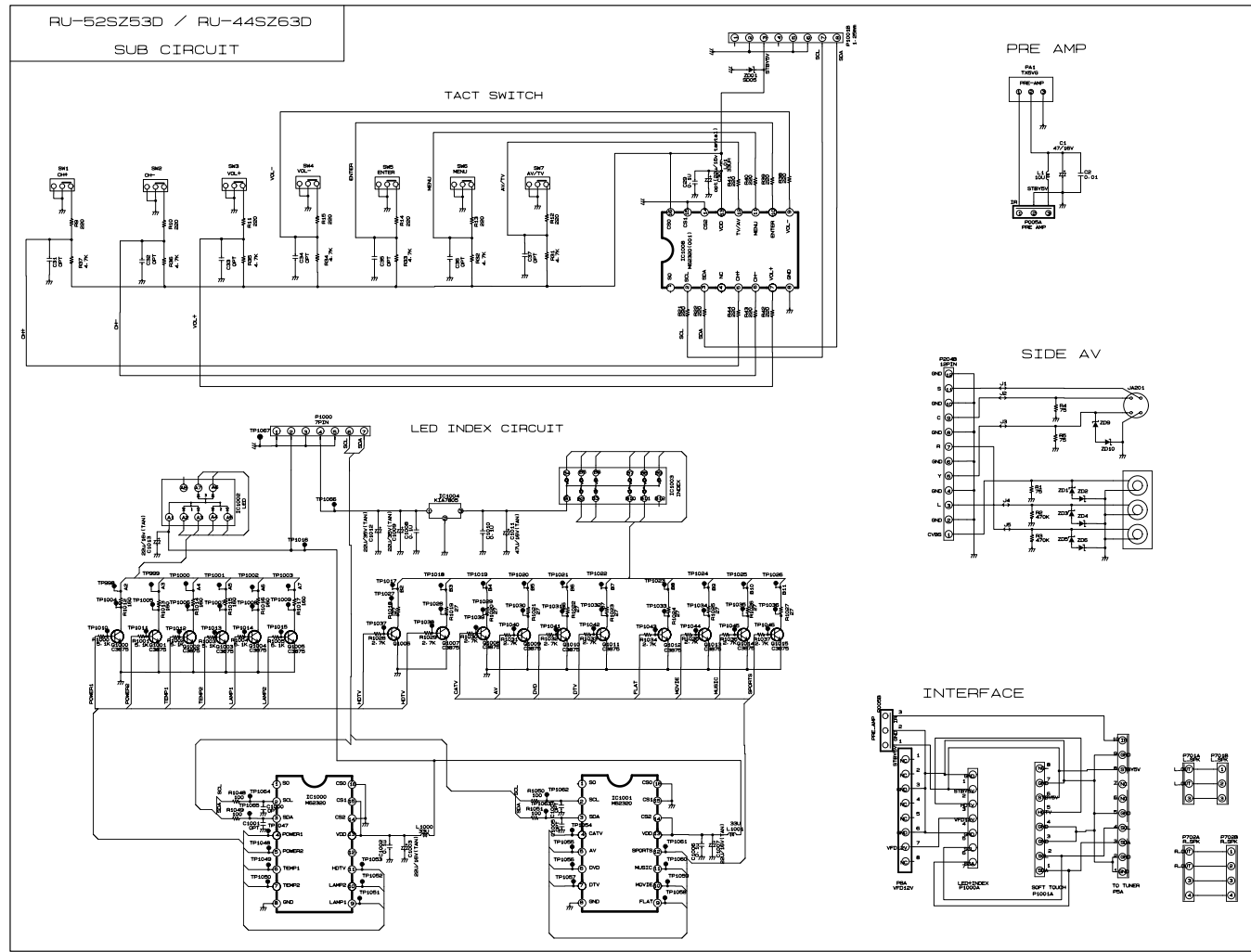
LOCA. NO	PART NO	DESCRIPTION
SW5	140-315F	TACT, 4LEAD EVQPC605K
SW6	140-315F	TACT, 4LEAD EVQPC605K
SW7	140-315F	TACT, 4LEAD EVQPC605K
SW8	140-315F	TACT, 4LEAD EVQPC605K
SW801	140-289A	PUSH, POWER SDDF3PASP013
FILTER & CRYSTAL		
B1	0LCML00004A	MLB-160808-0068L-N2 1A
B2	0LCML00004A	MLB-160808-0068L-N2 1A
B3	0LCML00004A	MLB-160808-0068L-N2 1A
F1100	0LCML00002A	MLB-321611-0120A-N1
F1101	0LCML00002A	MLB-321611-0120A-N1
FB851	125-123A	FERRITE BFD3565R2F(TAPING)
FB861	125-123A	FERRITE BFD3565R2F(TAPING)
FB871	125-022K	FERRITE AXIAL 62MM 1UH NY
FB882	125-123A	FERRITE BFD3565R2F(TAPING)
FB891	125-123A	FERRITE BFD3565R2F(TAPING)
FL102	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL103	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL104	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL105	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL107	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL108	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL109	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL110	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL111	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL112	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL113	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL114	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL115	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL116	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL117	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL118	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL119	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL120	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL121	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL122	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
FL123	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
FL124	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
FL125	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
FL126	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
FL127	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
FL128	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
FL129	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
FL131	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL132	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
FL133	6200QJ3001A	FILTER,EMI REEL/TAPING BMS400
L1100	0LCML00003B	MLB-201209-0120P-N2 5A
L1103	0LCML00003B	MLB-201209-0120P-N2 5A
L238	6210VC0006A	FBMH3216 HM501NT TAIYOYUDEN

LOCA. NO	PART NO	DESCRIPTION
L30	6200JB8010L	MLB-201209-1000L-N2 1000OHM
L31	6200JB8010L	MLB-201209-1000L-N2 1000OHM
L32	6200JB8010L	MLB-201209-1000L-N2 1000OHM
L33	6200JB8010L	MLB-201209-1000L-N2 1000OHM
L34	6210VC0006A	FBMH3216 HM501NT TAIYOYUDEN
L405	0LCML00003B	MLB-201209-0120P-N2 5A
L406	0LCML00003B	MLB-201209-0120P-N2 5A
L505	0LCML00003B	MLB-201209-0120P-N2 5A
L601	0LCML00002B	MLB-321611-0050P-N1 6A
L602	0LCML00003B	MLB-201209-0120P-N2 5A
L603	0LCML00003B	MLB-201209-0120P-N2 5A
L604	0LCML00003B	MLB-201209-0120P-N2 5A
L605	0LCML00003B	MLB-201209-0120P-N2 5A
L606	0LCML00003B	MLB-201209-0120P-N2 5A
L607	0LCML00003B	MLB-201209-0120P-N2 5A
L700	0LCML00004A	MLB-160808-0068L-N2 1A
L702	0LCML00004A	MLB-160808-0068L-N2 1A
L704	0LCML00002B	MLB-321611-0050P-N1 6A
L705	0LCML00003B	MLB-201209-0120P-N2 5A
L800	0LCML00004A	MLB-160808-0068L-N2 1A
L801	6200JB8012T	SQE2828 NAM YANG BK 17.2MH 60TURNS
L802	6200JB8012T	SQE2828 NAM YANG BK 17.2MH 60TURNS
L803	150-F06U	SQE3535 27.5MH 0.6PHY 70TURN .
L901	0LCML00003B	MLB-201209-0120P-N2 5A
L902	0LCML00004A	MLB-160808-0068L-N2 1A
L906	0LCML00003B	MLB-201209-0120P-N2 5A
L908	0LCML00004A	MLB-160808-0068L-N2 1A
L909	0LCML00003B	MLB-201209-0120P-N2 5A
L910	0LCML00003B	MLB-201209-0120P-N2 5A
L911	0LCML00003B	MLB-201209-0120P-N2 5A
L912	0LCML00003B	MLB-201209-0120P-N2 5A
L913	0LCML00003B	MLB-201209-0120P-N2 5A
P1	6210VH0004A	ZCAT3035-1330-M-K TDK-KOR
T512	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
T513	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
T514	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
T515	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
X1	6212AB2844A	CRYSTAL, ABLS-19.6608MHZ-22-B-4Y-T
X2	6212AB2844A	CRYSTAL, ABLS-19.6608MHZ-22-B-4Y-T
X3	6202VDT002H	CRYSTAL, SX-1 SUNNY 18.432000MHZ
X5	6212AB2845A	CRYSTAL, ABLS-27.000MHZ-16-B-4Y-F-T
X6	6202VDT002D	CRYSTAL, SX-1SMD
X7	166-E02F	CERAMIC,CSBLA500KECZF09-B0
JACK		
JA100	6612J00038B	RCA, UJB-03-25B UGCOM
JA101	6612J00038B	RCA, UJB-03-25B UGCOM
JA102	6612J00038C	RCA, UJB-03-25C UGCOM A/V 3P
JA103	6612J10012A	RCA, UJB-05-02C UGCOM COMPONENT
JA104	6612J10012A	RCA, UJB-05-02C UGCOM COMPONENT

LOCA. NO	PART NO	DESCRIPTION
JA105	6612J00037A	RCA, UJB-02-12A UGCOM 2P
JA201	6613V00010B	JACK ASSEMBLY, PMJ016B
P601	6612BBBHN7A	DIN, 74320-3004 MOLEX DVI
ACCESSORIES		
A1	3828VA0575E	MANUAL, USER MB05DB LG
A2	6710V00136G	REMOTE CONTROLLER, MB03CC TXT
MISCELLANEOUS		
F800	0FS5001B51D	FUSE,SLOW BLOW5000MA 250 V 5.2X20
IC704	6204B47985C	OSCILLATOR, SCO-103 SUNNY 100MHZ
L1	3680V00135B	LENS, BOOWON OPTICAL LENS
L2	3680V00134B	LENS, UNAXIS LENS RT-52SZ60D
L3	3680V00157A	LENS, UNAXIS PRISM DN-62SX40D
PA1	6726VH0001A	REMOTE CONTROLLER RECEIVER
S1	6851V00018H	CABLE,DVI DVI-D TO DVI-D
S2	6851V00022C	CABLE,COAXIAL COAXIAL(150MM)
TH801	163-048D	THERMISTOR,NTC KL15L2R5 SSANSHIN
TH802	163-048D	THERMISTOR,NTC KL15L2R5 SSANSHIN
TU100	6700MF0013A	TUNER, TAUM-W201D LGIT
TU101	6700MF0013B	TUNER, TAFM-W202P LGIT
VA100	6102W5V016A	VARIATOR, AVRL161A1R1NT TDK
VA101	6102W5V016A	VARIATOR, AVRL161A1R1NT TDK
VA102	6102W5V016A	VARIATOR, AVRL161A1R1NT TDK
VA103	6102W5V016A	VARIATOR, AVRL161A1R1NT TDK
VA104	6102W5V016A	VARIATOR, AVRL161A1R1NT TDK
VA105	6102W5V016A	VARIATOR, AVRL161A1R1NT TDK
VA106	6102W5V016A	VARIATOR, AVRL161A1R1NT TDK
VA107	6102W5V016A	VARIATOR, AVRL161A1R1NT TDK
VA800	164-003K	VARIATOR, SVC621D-14A ILJIN

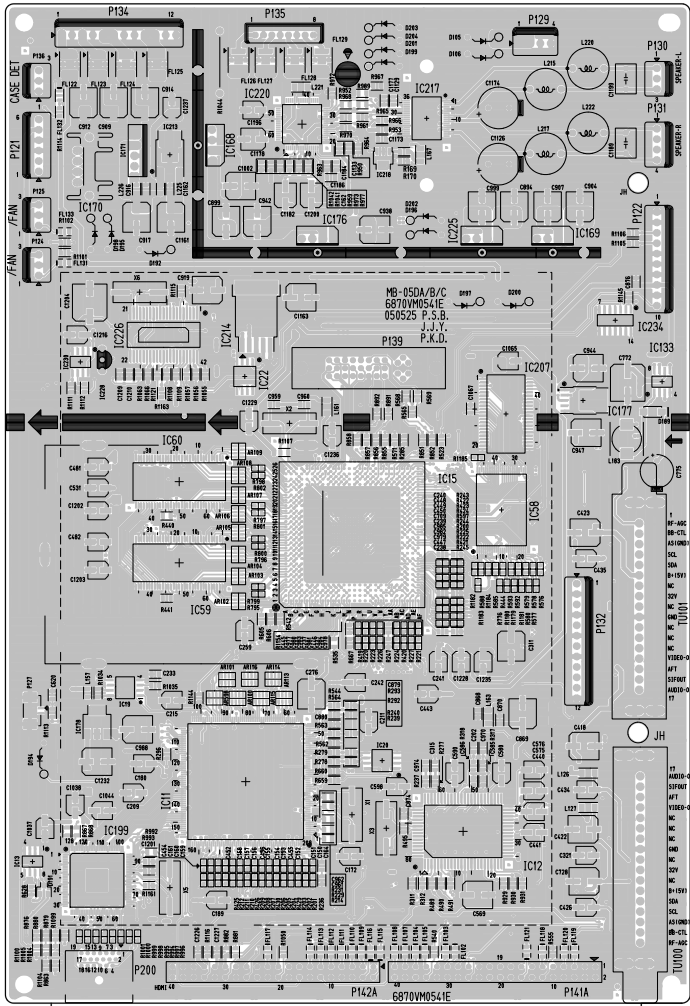


COLUMBUS-II JACK B/D

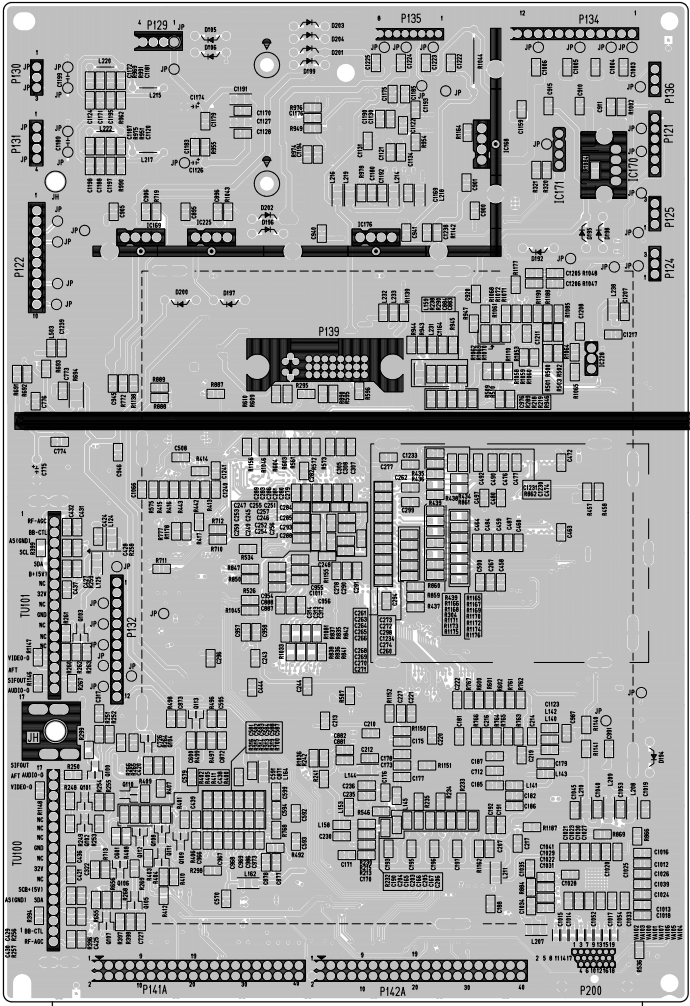


PRINTED CIRCUIT BOARD

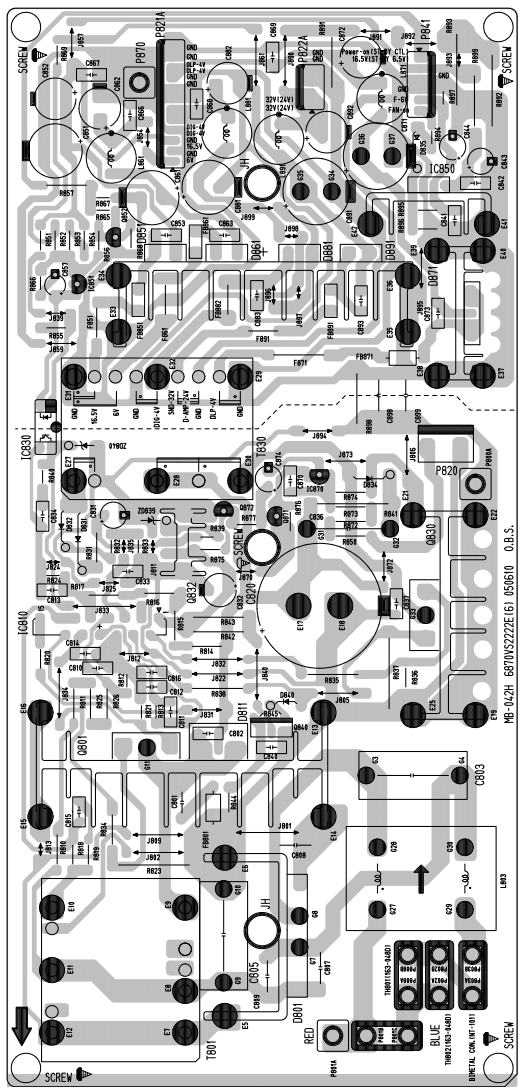
MAIN (TOP)



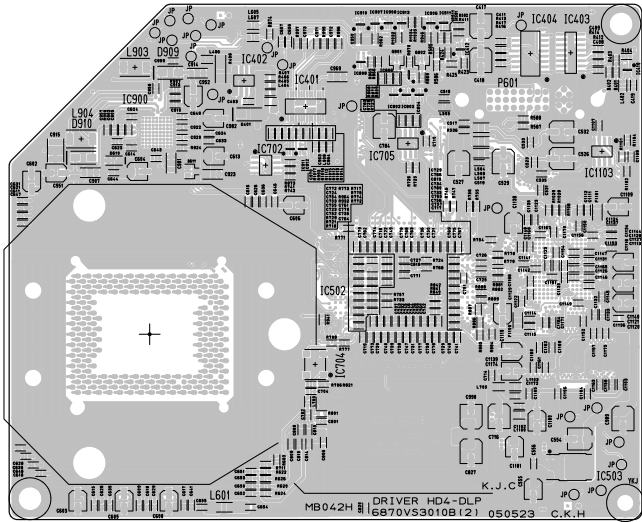
MAIN (BOTTOM)



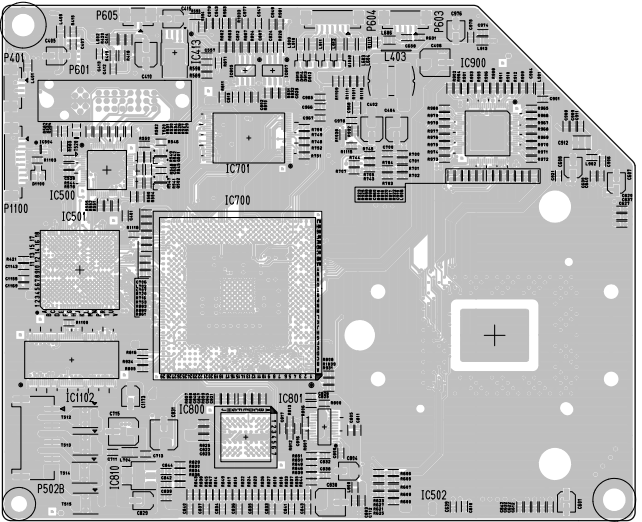
SMPS



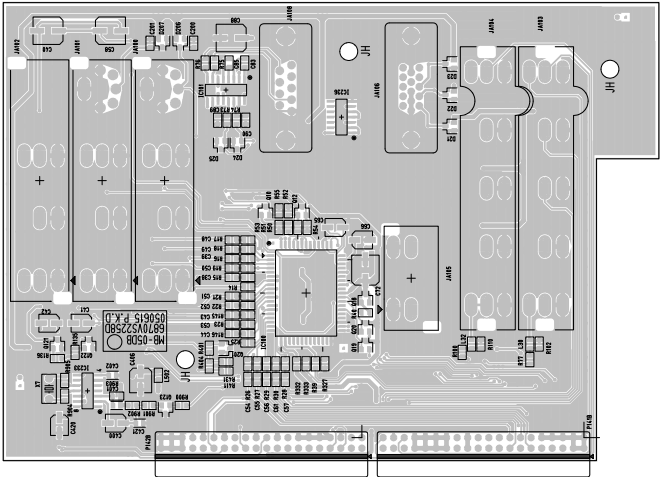
DLP DRIVER (TOP)



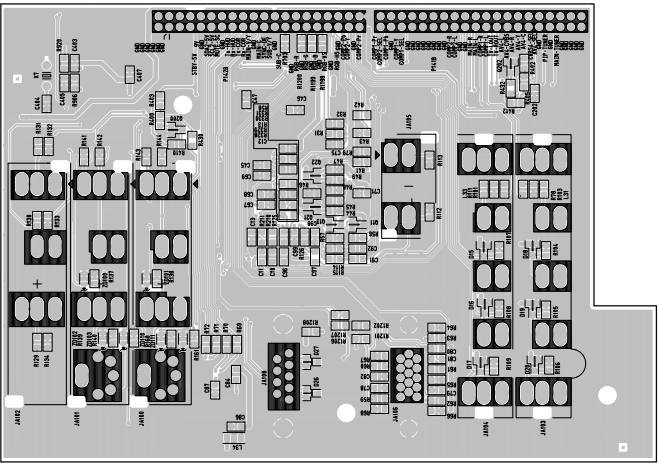
DLP DRIVER (BOTTOM)



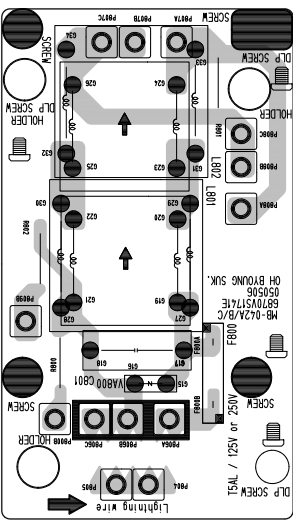
JACK (TOP)



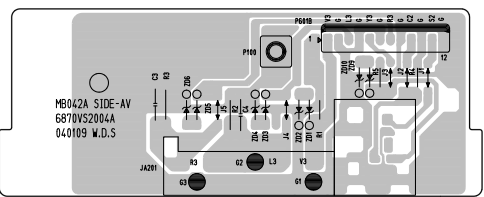
JACK (BOTTOM)



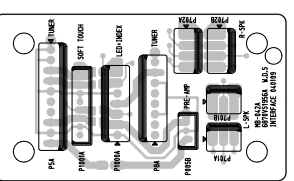
AC INPUT



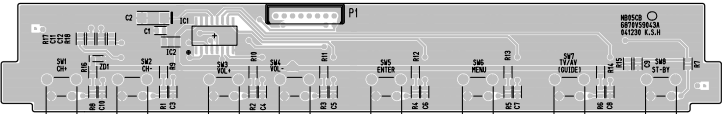
SIDE A/V



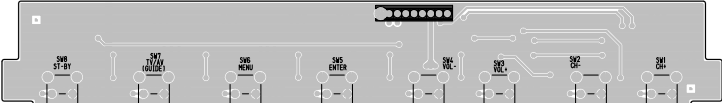
INTERFACE



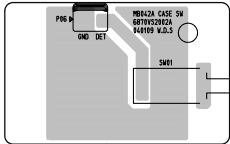
CONTROL(TOP)



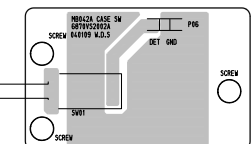
CONTROL(BOTTOM)



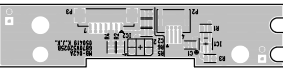
CASE DET(TOP)



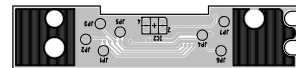
CASE DET(BOTTOM)



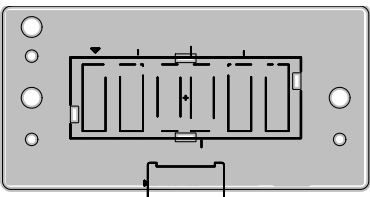
SENSOR B/D (TOP)



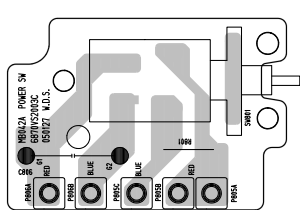
SENSOR B/D (BOTTOM)



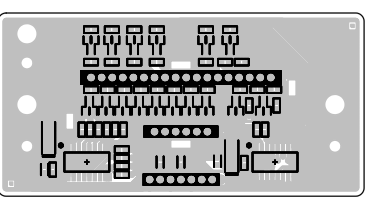
LED (TOP)



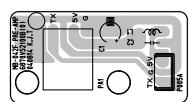
POWER S/W



LED (BOTTOM)



PRE-AMP





P/NO : 3828VD0216E

Sep., 2005
Printed in Korea